

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

**29 ELM STREET
SALISBURY, MASSACHUSETTS**

Prepared for:

**MassDEP
SARSS V Program**
One Winter Street
Boston, Massachusetts 02108

Prepared by:

TRC Environmental Corporation
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

March 2011

EXECUTIVE SUMMARY

TRC Environmental Corporation (TRC) has prepared this Phase II Environmental Site Assessment Report for the property located at 29 Elm Street in Salisbury, Essex County, Massachusetts, hereinafter referred to as the "Site." This Report summarizes a soil and groundwater investigation conducted on behalf of the Massachusetts Department of Environmental Protection (MassDEP) under the Site Assessment and Remediation Support Services (SARSS) V program. This SARSS V investigation was conducted to provide the Town of Salisbury, Massachusetts (the Site owner and the "Town") with additional Site characterization to support planned Site remediation. A scope of work for TRC's Site Investigation was set forth in the EPA-approved Quality Assurance Project Plan (QAPP) Addendum MassDEP-A, dated January 2010.

TRC conducted an initial Phase II Site investigation in April 2008 on behalf of Merrimack Valley Planning Commission (MVPC) to investigate the findings of an American Society of Testing and Materials (ASTM) Phase I Environmental Site Assessment (ESA) report completed by TRC for the Site in August 2007. The April 2008 investigation included the advancement of three soil borings, excavation of eight test pits, completion of three monitoring wells, and collection of 11 soil samples, three groundwater samples, and one surface water sample for laboratory analysis. Soil analytical results indicated contaminant concentrations in excess of Reportable Concentrations (RCs), these were reported to MassDEP on December 5, 2008. The Site is currently listed as a Disposal Site by MassDEP under Release Tracking Number 3-28202 for a Reportable Release of metals. The current Site status is Tier 1D.

In June and December 2010, following work plan approvals from EPA and MassDEP, TRC conducted supplemental Phase II activities at the Site to determine whether a potential Imminent Hazard (IH) condition exists at the Site and to further assess conditions identified in the previous investigation. The following summarizes the findings of this investigation.

- **Overburden Geology.** The Site is underlain by a thin layer of loamy topsoil followed by layers of fine to medium sand and silt with varying amounts of gravel. In the western portion of the Site, a layer of peat was observed beneath fill materials at depths ranging from 2.5 to 3.5 feet. Evidence of anthropogenic fill materials containing coal and coal ash, and in some locations brick and glass, was identified at several locations across the northern two-thirds of the Site at depths up to 4.5 feet. Significant waste debris (i.e., brick, coal and/or wood ash, glass, metal, wood, leather, concrete, plastic, etc.) is located in the subsurface in the southern approximately one-third of the Site at depths of up to six feet. An approximate 200-foot by 42-foot concrete slab foundation of the former Site building is located in the western portion of the Site beneath approximately one to two feet of soil.
- **Groundwater Depth and Flow Direction.** Site groundwater depths, as measured by TRC on July 16, 2010, ranged from approximately 8.05 feet to 10.80 feet from the top of the stick-up well risers. This corresponds to approximately 4 to 7.5 feet below ground surface. Based on the June 24, 2010 relative elevation survey, the groundwater table slopes southerly at an average gradient of 0.007 foot/foot in the northern half of the Site between MW-1 and MW-5. The slope of the groundwater table in the southern half of the Site becomes steeper, with a gradient of approximately 0.040 foot/foot between MW-5 and MW-3. No measurable light non-aqueous phase liquid was observed during gauging activities.

- **Site Soil Conditions.** Contaminants detected in Site soil at concentrations in excess of MCP Method 1 S-1/GW-2 and S-1/GW-3 criteria include metals, PAHs, one EPH hydrocarbon range (C₁₁-C₂₂ aromatics), one PCB aroclor (aroclor 1254), and bis(2-ethylhexyl)phthalate.
- **Historical Dumping on Site.** Based on observations made during excavation of test pits in 2008 and 2010, the southern portion of the Site was historically used for waste disposal, and waste debris was found to depths up to six feet below ground surface. Since this area of the Site is adjacent to a wetland, material may have been dumped to increase upland land area. Analysis of soil samples from within the fill layer indicated the presence of PAHs, metals, C₁₁-C₂₂ aromatic hydrocarbons, and bis(2-ethylhexyl)phthalate above regulatory comparison criteria. Observed debris materials near the southwest and southeast corners of the Site property indicate that the lateral extents of the waste disposal area have not yet been fully assessed. Undulating topography south and west of the property boundary may indicate that historical filling activities included areas on adjacent properties.
- **Other Areas of Soil Contamination.** A thin layer of anthropogenic fill was observed over much of the Site, and the presence of PAHs and/or metals is potentially related to coal and coal ash at several locations, including B-5 (3-4 ft), B-6 (3-4 ft), TP-102 (0-2 ft), TP-107 (0-2 ft), TP-108 (0-3 ft), and TP-202 (2-3 ft). Fill containing coal and/or coal ash was not identified at two locations exhibiting PAH concentrations above regulatory comparison criteria (TP-101 and TP-104).

The PCB aroclor 1254 exceeded its MCP Method 1 standard at TP-105 (0-1 ft) and was additionally detected above laboratory detection limits at TP-101 (0-1 ft) and TP-103 (0-1 ft). Historical Sanborn maps included in the 2007 ASTM indicate that electrical transformers were formerly located adjacent to the northwest corner of the Site building. The presence of PCBs in this area of the Site may be related to their historic use in dielectric fluids and transformer oils.

- **Soil Results that “Could Pose” an Imminent Hazard.** Cadmium exceeded 60 mg/kg in one sample, SS-22 (290 mg/kg), indicating that cadmium concentrations in Site soil within 12 inches of the ground surface “could pose” an Imminent Hazard according to 310 CMR 40.0321(2)(b). Total chromium concentrations exceeded 200 mg/kg in four soil samples, including SS-2 (450 mg/kg), SS-3 (230 mg/kg), SS-15 (290 mg/kg), and SS-17 (470 mg/kg).

The samples exhibiting the highest concentrations of total chromium (SS-2 and SS-17) were also analyzed for hexavalent chromium to evaluate the species of chromium present on Site. Analytical results for hexavalent chromium were 4.8 mg/kg in SS-2 and 2.8 mg/kg in SS-17, indicating that the chromium on Site is largely trivalent and not hexavalent. Therefore, concentrations of total chromium in excess of 200 mg/kg within 12-inches of the ground surface are not a two-hour reporting trigger under 310 CMR 40.0321(2)(b). Additionally, pH and ORP results indicate a neutral to weakly acidic (pH 4.4 to 7.7) and oxidizing (95 mV to 220 mV). These soil conditions do not support the persistence of hexavalent chromium, which prefers a basic and oxidizing environment.

- **Imminent Hazard Evaluation.** Based on the detections of cadmium within 12-inches of the ground surface at a concentration that “could pose” an Imminent Hazard according to 310 CMR 40.0321(2)(b), TRC conducted an Imminent Hazard evaluation that indicated that an Imminent Hazard does not exist for surface soil on Site.

- **Site Groundwater Conditions.** Groundwater samples were collected from each of the five on-Site monitoring wells (MW-1 through MW-3, MW-5, and MW-6). Samples were submitted for laboratory analysis for volatile organic compounds (VOCs), volatile petroleum hydrocarbons (VPH), semi-volatile organic compounds (SVOCs), extractable petroleum hydrocarbons (EPH), and MCP metals and mercury. None of the contaminants analyzed for in groundwater were present at concentrations above their respective Method 1 criteria. Based on these results there are no regulatory reporting obligations with respect to groundwater, and groundwater quality is not expected to adversely affect Site redevelopment or divestment.
- **Potential Continuing Sources of Contamination.** Analytical results from soil samples collected from a concrete-lined pit (test pit TP-2) located in Area 2 indicated that a number of VOC, SVOC, EPH, VPH, and metals constituents exceeded RCS-1 criteria. Although a water sample collected from the pit contained detectable levels of acetone, toluene, methyl isobutyl ketone (MIBK), and m/p-xylene, these contaminants exist at concentrations below RCGW-2 criteria. Two perimeter test pits to TP-02 (TP-106 and TP-108) revealed MCP RC exceedences of some EPH carbon ranges, and several SVOC compounds and metals. Investigation findings indicate that the water in the concrete pit is not hydraulically connected to Site groundwater. The completion of an additional test pit (TP-204) to the immediate south of TP-2 revealed the presence of a 4-inch drainage pipe which extended southeasterly to an approximate 5,250-gallon subgrade concrete vault (Vault 1) containing sludge. This vault is connected to a second approximate 2,625-gallon subgrade concrete vault (Vault 2) containing a mix of sludge and water. Sludge and water samples collected from the vaults were analyzed for VOCs, SVOCs, EPH, pesticides, PCBs, and metals. For the purposes of comparison only, the sludge and water samples were compared to RCS-1 and RCS-2 soil standards and RCGW-2 groundwater criteria. Soil and groundwater RC exceedences for VOCs, EPH, SVOCs, and/or metals were identified for each of the media in each of the vaults.
- **Current Regulatory Status.** The Site is currently listed as a Disposal Site by MassDEP under Release Tracking Number 3-28202 for a Reportable Release of metals that was reported on December 5, 2008. The current Site status is Tier 1D.

Based on these findings TRC makes the following recommendations:

- **Conduct Additional Response Actions** – TRC recommends conducting additional response actions to assess and/or cleanup soil contamination on Site. Response actions may include additional soil sampling to assess the lateral and vertical extents of contaminated waste debris located on and from the Site and should be conducted under the direction of a Massachusetts LSP.
- **Decommission the Existing Sub-grade Concrete Structures** – TRC recommends that the two vaults and the two concrete-line pits identified during subsurface investigations be emptied of their contents and that those contents are disposed off Site under the supervision of a Massachusetts LSP and in accordance with receiving facility acceptance criteria.
- **Massachusetts Contingency Plan Compliance** – An MCP Phase I Initial Site Investigation Report and Tier Classification must be submitted to MassDEP by the Town prior to performance of Comprehensive Response Actions. In addition, a Release Notification Form should be submitted to MassDEP by the Town within 120-days of receipt of this report that indicates the maximum detected concentrations of the following previously unreported contaminants:
 - o C11-C22 Aromatics – 6,900 mg/kg
 - o Benzo(a)anthracene – 22 mg/kg

- o Benzo(a)pyrene – 22 mg/kg
- o Benzo(b)fluoranthene – 17 mg/kg
- o Bis(2-ethylhexyl)phthalate – 3,100 mg/kg
- o Dibenz(a,h)anthracene – 0.96 mg/kg
- o Indeno(1,2,3-cd)pyrene – 12 mg/kg
- o PCB aroclor-1254 – 2.5 mg/kg
- o Antimony – 163 mg/kg
- o Arsenic – 51 mg/kg
- o Cadmium – 290 mg/kg
- o Nickel – 100 mg/kg

TABLE OF CONTENTS

EXECUTIVE SUMMARY	ES-1
1.0 INTRODUCTION	1-1
1.1 Objective.....	1-1
1.2 Project Notifications	1-1
1.3 Background.....	1-1
1.4 Previous Investigations.....	1-2
1.4.1 2007 ASTM Phase I Environmental Site Assessment	1-2
1.4.2 2008 Phase II Site Investigation.....	1-2
2.0 TECHNICAL APPROACH	2-1
2.1 June 2010 Investigation.....	2-1
2.2 December 2010 Investigation.....	2-2
2.2.1 Additional Vault Details.....	2-3
2.3 Applicable Media Comparison Criteria.....	2-4
2.3.1 Method 1 Cleanup Categories for Groundwater	2-4
2.3.2 Method 1 Cleanup Categories for Soil.....	2-4
2.3.3 Comparison Criteria for Material Contained in Subsurface Structures.....	2-4
3.0 RESULTS OF INVESTIGATION	3-1
3.1 Subsurface Conditions.....	3-1
3.2 Nature and Extent of Contamination	3-1
3.2.1 Soil	3-1
3.2.1.1 Volatile Organic Compounds	3-1
3.2.1.2 Volatile Petroleum Hydrocarbons	3-2
3.2.1.3 Extractable Petroleum Hydrocarbons	3-2
3.2.1.4 Semivolatile Organic Compounds.....	3-2
3.2.1.5 Polychlorinated Biphenyls.....	3-2
3.2.1.6 Pesticides	3-3
3.2.1.7 Metals	3-3
3.2.1.8 Hexavalent chromium	3-4
3.2.1.9 pH and ORP.....	3-4
3.2.2 Above-Slab Soil	3-4
3.2.3 Groundwater.....	3-4
3.2.4 Contents of Subsurface Structures	3-4
3.2.4.1 Concrete-lined Pits	3-5
3.2.4.2 Vaults 1 and 2.....	3-5
3.3 Data Usability Assessment.....	3-5
4.0 CONCLUSIONS	4-1
4.1 Subsurface Conditions.....	4-1
4.2 Site Soil Conditions	4-1
4.2.1 Historical Dumping on Southern Portion of Site	4-1
4.2.2 Other Areas of Soil Contamination.....	4-2
4.2.3 Soil Results that “Could Pose” an Imminent Hazard	4-2
4.2.4 Imminent Hazard Evaluation	4-2
4.3 Site Groundwater Conditions	4-2
4.4 Continuing Potential Sources of Contamination	4-3

4.5	Current Regulatory Status	4-3
5.0	RECOMMENDATIONS.....	5-1
6.0	REFERENCES	6-1

TABLES

Table 1	Summary of Surface Soil Samples Collected and Analytical Parameters - June 2010
Table 2	Summary of Boring and Test Pit Soil Samples Collected and Analytical Parameters June 2010
Table 3	Summary of Boring and Test Pit Soil Samples Collected and Analytical Parameters December 2010
Table 4	Summary of Groundwater Elevation Data and Survey Data – July 2010
Table 5	Summary of Analytical Results for Soil Samples – 2008 and 2010
Table 6	Summary of Analytical Results for Groundwater – 2008 and 2010
Table 7	Summary of Analytical Results for Sludge – 2010
Table 8	Summary of Analytical Results for Liquid – 2008 and 2010

FIGURES

Figure 1	Site Location Map
Figure 2a	Site Plan –April 2008 Investigation
Figure 2b	Site Plan –June 2010Investigation
Figure 2c	Site Plan –December 2010 Investigation
Figure 3	MassDEP Priority Resource Map
Figure 4	Groundwater Contour Plan – July 2010

APPENDICES

Appendix A	Photographs of Test Pitting Activities
Appendix B	Soil Boring Logs, Test Pit Logs, and Well Construction Diagrams
Appendix C	Analytical Data Reports
Appendix D	Data Usability Assessment
Appendix E	Imminent Hazard Evaluation Memorandum
Appendix F	Project Notifications (Town of Salisbury Conservation Commission and Massachusetts Historical Commission)

1.0 INTRODUCTION

1.1 Objective

TRC Environmental Corporation (TRC) has prepared this Site Assessment Report for the property located at 29 Elm Street in Salisbury, Essex County, Massachusetts, hereinafter referred to as the “Site.” This Report summarizes a soil and groundwater investigation conducted on behalf of the Massachusetts Department of Environmental Protection (MassDEP) under the Site Assessment and Remediation Support Services (SARSS) V program. This SARSS V investigation was conducted to provide the Town of Salisbury, Massachusetts (the Site owner and the “Town”) with additional Site characterization to support planned Site remediation. A scope of work for TRC’s Site Investigation was set forth in the EPA-approved Quality Assurance Project Plan (QAPP) Addendum MassDEP-A, dated January 2010.

1.2 Project Notifications

Prior to initiating subsurface activities, TRC notified the Massachusetts Historical Commission of TRC’s intent to conduct test-pitting and soil sampling activities at the Site.

Because proposed sampling locations were to be advanced within the 100-foot buffer zone of a wetland area, TRC also filed a Request for Determination (RDA) with the Town of Salisbury Conservation Commission in March 2008 prior to commencing April 2008 subsurface activities. TRC also received permission to conduct subsurface work in July and December 2010 under the initial RDA. As required, erosion controls consisting of staked hay bales were installed at the limit of test pit excavations within the 100-foot buffer zone of bordering vegetated wetland.

Copies of the Massachusetts Historical Commission notification and the original RDA, in addition to E-mail correspondence regarding the Town of Salisbury Conservation Commission’s approval to conduct June and December 2010 work under the initial RDA, has been included in Appendix F.

1.3 Background

The Site is located on an approximately 0.77-acre vacant parcel on the south side of Elm Street in Salisbury, Massachusetts. The Site is identified as Block 2, Lot 45 on Map 6 of the Town of Salisbury Assessors records. The Site’s coordinates are 42° 50’ 22.6” latitude and -70° 51’ 50.4” longitude, and the Universal Transverse Mercator (UTM) coordinates are 4,744,473.5 meters Northing and 347,667.5 meters Easting. The Site is tracked by MassDEP under release tracking number (RTN) 3-28202. A Site Location Map is included as Figure 1. The Site is located approximately 0.1-mile west of the intersection of Massachusetts Route 110 (Elm Street) and U.S. Route 1 (School Street), near downtown Salisbury, Massachusetts. The Site slopes southerly towards the Town Creek Marshes, a wetland located on the south side of Mudnock Road, approximately 0.1-mile from the Site. This wetland surrounds Town Creek, which is a tributary to the Merrimack River located 0.25 mile south of the Site.

The Site is a vacant, undeveloped lot consisting of a concrete slab foundation (approximately 200 feet by 42 feet) of the former Site building, as well adjacent paved and unpaved areas. The majority of the Site is covered with a thin (1-2 foot) layer of topsoil and opportunistic grasses and other vegetation (note that topsoil layer was removed from the concrete slab foundation during December 2010 investigations). The southern portion of the Site is wooded with an undulating surface indicative of historical dumping that has taken place in this area. Some wetland vegetation has been identified in the southwestern portion of the Site.

The Site is abutted by undeveloped lots to the north across Elm Street and to the south. A book store borders the Site to the northeast, beyond Elm Street. The adjacent lot to the east of the Site is occupied by Harry's Auto Repair facility. The property to the southeast is occupied by a single family residence, and the property to the west is a vacant residence. A wetland is located immediately southwest of the Site.

1.4 Previous Investigations

1.4.1 2007 ASTM Phase I Environmental Site Assessment

In August 2007, TRC completed an American Society of Testing and Materials (ASTM) Phase I Environmental Site Assessment (ESA) for the Site. Review of historical documentation indicated that past Site uses have included shoe manufacturing, vehicle maintenance and repair, and a lumber yard. Historical records did not indicate the presence of leather tanning facilities at the former shoe factory. Raw leather materials were presumably produced at off-Site locations and shipped to the Site for shoe assembly. Based on assessment findings, TRC concluded that additional assessment was warranted due to current and/or historic land uses of the Site and surrounding property.

1.4.2 2008 Phase II Site Investigation

In April 2008, initial Phase II Site investigation activities were conducted by TRC on behalf of the Town and the Merrimack Valley Planning Commission (MVPC) to investigate the findings of the August 2007 ASTM Phase I ESA (TRC, 2007). The Phase II investigation was summarized in an April 2008 Site Investigation Summary Report (TRC, 2008). Work included the advancement of three soil borings (B-1 through B-3) completed as groundwater monitoring wells (MW-1 through MW-3), and the excavation of eight test pits (TP-1 through TP-8). One soil sample was collected from each test pit and soil boring, and one groundwater sample was collected from each groundwater monitoring well for laboratory analysis. One test pit, TP-2, was completed within a concrete-lined pit identified near the middle of the Site. TRC collected one soil sample and one surface water sample from the pit's contents. The locations of soil borings, monitoring wells, test pits, and sample collection points from the 2008 investigation are depicted on Figure 2A. Sample analytical results from 2008 have been tabulated with 2010 sampling results to more fully evaluate the nature and extent of contamination on Site.

Soil borings were advanced until refusal was encountered or to a maximum depth of 20 feet. Test pits were excavated until groundwater was encountered or to a maximum depth of ten feet. During completion of test pits on Site, TRC observed the presence of debris material in the southern portion of the Site, including stacks of discarded shoe leather (at test pit TP-5) and glass bottles (at test pit TP-6). This area of the Site is located adjacent to wetlands and was likely historically filled in to dispose of Site-related manufacturing wastes and/or to increase upland land areas.

During completion of soil borings and test pits, TRC screened soils for the presence of organic vapors with a photoionization detector (PID) using the MassDEP jar headspace method. Based on headspace screening results and visual/olfactory evidence of contamination, one soil sample was selected from each soil boring and test pit for laboratory analysis, as summarized in Table 1.

During excavation of test pit TP-2, located in the concrete-lined pit of the former Site building, TRC noted elevated PID readings (>1,000 parts per million by volume [ppmv]), a strong acetone-like odor, black-stained soil and wood waste materials, and a partially-crushed 55-gallon drum. Approximately one foot of stagnant, brown, turbid water with a visible sheen was also observed within the base of the excavation, a sample of which was collected and submitted for laboratory analysis. Test pits TP-7 and TP-8 were subsequently completed adjacent to the concrete-lined pit to assess whether observed contaminants from within the pit had migrated to the exterior. Soil material collected from within the pit

(TP-2) was submitted for laboratory analysis of VOCs, VPH, SVOCs, EPH, and MCP metals and mercury. TRC also collected a sample (TP-2) of the standing water within the pit and submitted the sample for laboratory analysis of VOCs.

Groundwater samples were collected from MW-1, MW-2, and MW-3 in 2008 via low flow methods and submitted for laboratory analysis for volatile organic compounds (VOCs), volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), and Massachusetts Contingency Plan (MCP) metals and mercury.

Soil analytical results from the 2008 investigation indicated that metals including antimony, arsenic, barium, cadmium, chromium, lead, nickel, and zinc and polycyclic aromatic hydrocarbons (PAHs) including benzo(a)pyrene, dibenzo(a,h)anthracene, and phenanthrene are present in anthropogenic fill materials in the southern portion of the Site at concentrations in excess of reportable concentrations for category S-1 soil (RCS-1). These exceedances represented a 120-day reporting condition in accordance with 310 CMR 40.0315(1). On December 5, 2008 MassDEP was notified of the condition, and RTN 3-28202 was assigned to the release at that time.

Analytical results of the soil material collection from TP-2 within a concrete-lined pit exceeded RCS-1 standards for a number of VOC, SVOC, EPH, VPH, and metals constituents. A sample of standing water from TP-2 contained acetone, toluene, methyl isobutyl ketone (MIBK), and m/p xylene at concentrations below RCGW-2 standards. Soil analytical results from test pits TP-7 and TP-8 taken downgradient from and adjacent to TP-2 were non-detect; therefore, the contaminated soil, debris, and groundwater found at TP-2 was determined to be limited to the concrete-lined pit. Therefore the material observed in TP-2 was not considered representative of Site soil and groundwater conditions, and no regulatory reporting obligations were identified relative to this material.

None of the contaminants analyzed for in groundwater were present at concentrations above their respective reportable concentrations for category GW-2 (RCGW-2) groundwater. Therefore, there were no regulatory reporting obligations relative to observed groundwater conditions on Site.

2.0 TECHNICAL APPROACH

In June and December 2010, following work plan approvals from EPA and MassDEP, TRC conducted additional soil and groundwater investigation activities on behalf of MassDEP to support planned redevelopment of the Site by the Town and to evaluate whether a potential Imminent Hazard (IH) condition exists at the Site. This work in 2010 consisted of the advancement of two additional soil borings completed as monitoring wells, excavation of twenty-five test pits, and collection of 68 soil samples (including 36 surface soil samples), three groundwater samples, two sludge samples, and one water sample. Work was completed in two mobilizations because of conditions noted during TRC's June 2010 investigation that were identified for additional assessment. Unless otherwise specified, work was performed in accordance with the EPA-approved QAPP Addendum (dated January 2010) and QAPP Addendum Modification (dated October 2010) for the MassDEP SARSS V Program. Soil boring logs, test pit logs, and well construction diagrams prepared during the 2010 investigation are provided in Appendix B.

2.1 June 2010 Investigation

Site investigation activities conducted in June 2010 under the supervision of MassDEP included collection of 36 surface soil (0-1 foot) samples (SS-1 through SS-36), advancement of two soil borings (B-5 and B-6) completed as groundwater monitoring wells (MW-5 and MW-6), excavation of 21 test pits (TP-101 through TP-121), and the completion of a relative elevation survey, including groundwater gauging, to assess groundwater flow direction. The locations of soil borings, monitoring wells, test pits, and surface soil collection points are depicted on Figure 2B. Photos taken during test pit excavation in June 2010 are included in Appendix A. Groundwater sampling forms, soil boring logs, test pit logs, and well construction diagrams are provided in Appendix B.

Surface soil samples were collected from 0 to 1 foot below ground surface (bgs) from 36 locations on the southern portion of the Site using a field-marked 25-foot square grid that was then modified prior to sample collection based on consultation with MassDEP's on-Site representative. These samples were collected using hand tools to investigate soil analytical results from the April 2008 investigation, including arsenic (51 mg/kg) and total chromium (703 mg/kg) concentrations at TP-6 (2 feet) that, if present within 12 inches of the surface, would indicate a release that could pose an Imminent Hazard, in accordance with 310 CMR 40.0321(2)(b). Additional soil from each surface soil sample was collected and submitted to the laboratory on hold, pending the results of total chromium analysis. The two surface soil samples exhibiting the highest total chromium results were authorized for hexavalent chromium analysis. The analytical laboratory also measured the pH and oxidation/reduction potential (ORP) for each of the surface soil samples. These characteristics were measured to assess the potential persistence of hexavalent chromium in the subsurface.

Test pits were excavated to a maximum depth of nine feet, based on the first observed native soils. Test pits TP-101 through TP-105 were completed in the northern portion to provide more soil quality data in this area. TRC excavated test pits TP-106 through TP-109 around the concrete-lined pit (TP-2) near the center of the Site to investigate soil quality and assess subsurface drains that may serve as a pathway for the pit's contents to the environment. Test pit TP-106 identified another, smaller concrete-lined pit immediately north of the original that was found in 2008. Test pits TP-110 through TP-121 were completed to evaluate the nature and extent of the fill area previously identified in the southern portion of the property.

Soil borings B-5 and B-6 were advanced to approximately 12 feet bgs using direct push methods. The proposed boring B-4 was not completed, based on the proximity of the proposed B-4 location to the existing monitoring well MW-2. Soils were sampled continuously during boring advancement and

logged according to TRC standard operating procedures. Two-inch diameter polyvinyl chloride (PVC) monitoring wells were installed at B-5 and B-6 (MW-5 and MW-6, respectively). Each monitoring well was installed with ten feet of 10-slot (0.010-inch machine slotted) screen and steel stand pipes. These locations, B-5/MW-5 and B-6/MW-6, were completed to provide additional data on groundwater quality beneath the Site.

During soil boring advancement and test pit excavation, TRC screened soils for the presence of organic vapors with a PID. One soil sample was collected from each of the two soil borings, and up to two samples were collected from each test pit. Samples from soil borings and test pits were collected for laboratory analysis based on the presence of organic vapors and/or visual/olfactory evidence of contamination. Soil samples collected on Site were submitted for laboratory analysis, according to Table 2.

Newly installed monitoring wells were developed to remove suspended particulate material and allowed to stabilize for a period of nine days prior to sample collection. One groundwater sample was collected from newly installed wells MW-5 and MW-6. An additional groundwater sample was collected from MW-2 in place of the proposed MW-4 sample. Groundwater samples were collected in accordance with low flow criteria using submersible bladder pumps. Groundwater samples were submitted for laboratory analysis of VOCs, VPH, SVOCs, EPH, and MCP metals and mercury.

On June 24, 2010, TRC conducted a relative elevation survey of the five Site monitoring wells. An arbitrary onsite benchmark was established using 100 feet mean sea level (MSL). The PVC well riser at MW-1 was used as the benchmark. Groundwater level measurements were collected from wells MW-1, MW-2, MW-3, MW-5, and MW-6 on July 16, 2010. Monitoring well gauging activities were conducted using a 100-foot Solinst™ Oil/Water Interface Probe to assess the potential presence of light non-aqueous phase liquid (LNAPL).

2.2 December 2010 Investigation

Site investigation activities completed in December 2010 under the supervision of MassDEP included exposing the extent of the concrete foundation of the former Site building using an excavator, excavation of four additional test pits (TP-201 through TP-204), and collection of soil samples. Goals of the investigation were: to identify potential pathways to subsurface contamination (e.g., floor drains) in the foundation floor; and to remove the concrete floor at these potential pathway areas to investigate soil quality beneath the slab. The locations of test pits, vaults, and sample collection points from the December 2010 investigation are depicted on Figure 2C. Photos taken during the December 2010 excavations are included in Appendix A. Test pit logs for TP-201 through TP-204 are provided in Appendix B.

Excavation activities were conducted by TRC's subcontractor, Geosearch of Fitchburg, Massachusetts. Approximately one to two feet of soil were removed from the surface of the concrete foundation slab and stockpiled on Site. TRC then inspected the slab to identify floor drains or other potential liquid disposal pathways. TRC identified a four-inch red clay drainage pipe on the central portion of the Site in the area of test pit TP-204. Additional excavation was conducted to follow the pipe approximately 100 feet southeasterly to an approximately 10-foot by 10-foot by 6-foot subsurface concrete vault (Vault 1) containing sludge. Following further investigation, TRC observed that the vault was connected to a second approximately 10.5-foot by 5.5-foot by 6-foot subsurface concrete vault (Vault 2) containing a mix of sludge and water. Upon receiving approval from MassDEP, TRC collected one sludge sample from each vault and one liquid sample from Vault 2. Sludge samples from the vaults were submitted for laboratory analysis of VOCs, SVOCs, EPH, PCBs, pesticides, and MCP metals. The water sample

collected from Vault 2 was submitted for laboratory analysis of VOCs, SVOCs, PCBs, pesticides, and MCP metals.

Following sample collection, TRC oversaw the completion of additional excavations adjacent to the outside walls of each vault to determine if the vault contents were contained. Soils excavated from the vault perimeters were observed for evidence of staining or odors, and were screened using a PID. The opened vaults were backfilled with native soils to protect against injury to trespassers or Site workers.

Test pits TP-201 through TP-204 were excavated until the lower extent of the fill material was encountered and native material was observed. Following field screening of soil for organic vapors with a PID, one soil sample was collected from each test pit. Samples were collected for laboratory analysis of VOCs, SVOCs, PCBs, pesticides, and MCP metals and mercury, based on the presence of organic vapors and/or visual/olfactory evidence of contamination.

2.2.1 Additional Vault Details

TRC identified two types of vitrified clay pipe (VCP) with belled-end fittings in the area of TP-201, including a four-inch inner diameter reddish-orange VCP and a four-inch inner diameter hi-gloss purplish-brown VCP. Joints in these pipes were un-mortared, and some had gaps between them. PID headspace readings of soil samples collected from beneath these joints did not reveal concentrations of total VOCs significantly higher than background organic vapors (e.g., less than 0.2 ppmv). PID readings of air from within the pipes indicated similarly low concentrations of total VOCs.

Three types of pipe with belled-end fittings were also identified in the area of TP-204, including a four-inch inner diameter cast iron pipe and a four-inch inner diameter purplish-brown VCP. These pipes appear to lead to the subgrade vaults on the southeastern portion of the Site. A four-inch red-orange VCP that was not connected to the cast iron pipe or the purplish-brown VCP was also observed at TP-204. PID headspace readings of soil samples collected from around and beneath these joints did not reveal concentrations of total VOCs significantly higher than background organic vapors (e.g., less than 0.4 ppmv). PID open space readings of air from within the pipes indicated similarly low concentrations of total VOCs. The joints observed in pipes near TP-204 were dry-fitted and therefore not water tight.

Though the historical purpose of these pipes is not definitively known, the reddish-orange piping identified in the area of TP-201 and TP-204 may have been part of a sub-slab French drain system. The purplish-brown VCP and cast iron piping configuration was connected to the vaults, indicating that they may have been part of a waste water structure such as a septic or floor drain system. Since the pipes observed were not water tight, TRC considers it unlikely that this piping was intended to be used for the conveyance of waste oil/chemicals from drains within the facility to the vaults.

An approximate four-inch inner diameter cast iron pipe was observed protruding approximately one foot into Vault 1 from the northwest. A second flush-mounted four-inch diameter cast iron pipe was observed several feet from the top of the east wall of Vault 1, leading from Vault 2. Excavations were performed on each side of the vaults to evaluate evidence of vault leakage and/or the presence of effluent pipes from Vault 2, but none was found. Observations within and around the vicinity of the vaults did not indicate the presence of features typically associated with septic systems (e.g., baffles or distribution boxes), and no evidence of a leaching field was observed.

The specific historical nature of Vault 1 and Vault 2 could not be definitively determined by subsurface investigation. The vaults may have been used as part of an on-Site septic system, though the evidence supporting this is inconclusive. The vaults may also have been utilized for petroleum storage or disposal during the Site's period as a vehicle maintenance and repair facility. The presence of sludge material and

high concentrations of petroleum hydrocarbons indicates that the vessels were used to dispose (directly or indirectly) or store petroleum products.

2.3 Applicable Media Comparison Criteria

Soil and groundwater analytical results were compared against applicable MCP Method 1 cleanup criteria. Appropriate Method 1 soil and groundwater criteria were selected based on 310 CMR 40.0930 to aid in future remedial decisions. MCP Reportable Concentrations were used only as a basis for comparison of analytical results of sludge and water samples and to evaluate potential handling options or requirements.

2.3.1 Method 1 Cleanup Categories for Groundwater

For current and future use of the Site, Method 1 groundwater category GW-1 is not applicable because the Site is not within a current or potential drinking water source area. A copy of the MassDEP Priority Resources Map supporting this fact is provided as Figure 3. Method 1 groundwater category GW-2 applies to groundwater that is located within 30 feet of existing or planned occupied building. Since future use of the Site is unknown and unrestricted, groundwater analytical results are compared to GW-2 criteria. Groundwater category GW-3 is meant to be protective of surface water in the Commonwealth. All groundwater is assumed to discharge to surface water, unless it can be proved otherwise. Therefore the appropriate groundwater categories are GW-2 and GW-3 for current and future use of the Site.

2.3.2 Method 1 Cleanup Categories for Soil

Because the future use of the Site is not limited by a deed restriction, the applicable Method 1 category for surface and subsurface soil at the Site is S-1 to accommodate unrestricted future uses. Therefore, soils are compared to Method 1 S-1/GW-2 and S-1/GW-3 cleanup standards.

2.3.3 Comparison Criteria for Material Contained in Subsurface Structures

Samples of sludge and water were collected from within concrete vault or pit structures and do not represent environmental conditions on Site. MCP Reportable Concentrations were used only as a basis for comparison of analytical results of sludge and water samples and to evaluate potential handling of vault and pit contents as remediation wastes during planned Site remediation. Laboratory analytical data for sludge samples were compared to MCP RCS-1 and RCS-2, and results of laboratory analysis of water collected from within vault and pit structures were compared against RCGW-2.

3.0 RESULTS OF INVESTIGATION

3.1 Subsurface Conditions

The Site is underlain by a thin layer of loamy topsoil followed by layers of fine to medium sand and silt, with varying amounts of gravel. In the western portion of the Site (test pit TP-201), a layer of peat was observed beneath fill materials at depths ranging from 2.5 to 3.5 feet. Evidence of anthropogenic fill materials containing coal and coal ash and, in places, brick and glass was identified at several locations across the northern two-thirds of the Site at depths up to 4.5 feet. Significant waste debris is located in the subsurface in the southern approximately one-third of the Site at depths of up to six feet. Waste debris, including wood, leather, plastic, concrete, brick, and glass, was indentified on field log forms for test pits TP-5, TP-6, TP-110, TP-111, and TP-113 through TP-121.

An approximate 200-foot by 42-foot concrete slab foundation of the former Site building is located in the western portion of the Site beneath approximately one to two feet of soil. The slab is underlain by a thin layer of coal ash and clinkers, followed by native soils. Copies of soil boring and test pit logs are provided in Appendix B.

Depth to water as measured on July 16, 2010 ranged from approximately 8.05 feet to 10.80 feet from the top of the stick-up well risers. This corresponds to approximately 4 to 7.5 feet below ground surface. Each on-Site monitoring well was screened for LNAPL using an oil/water interface probe. LNAPL was not detected during this gauging round.

The July 2010 gauging data was paired with the results of TRC's June 24, 2010 relative elevation survey to assess the slope of the groundwater table beneath the Site. Based on these results the groundwater table slopes at an average gradient of 0.007 foot/foot in the northern half of the Site between MW-1 and MW-5. The slope of the groundwater table in the southern half of the Site becomes steeper, with a gradient of approximately 0.040 foot/foot between MW-5 and MW-3.

A summary of monitoring well construction and relative groundwater elevation data for on-Site monitoring wells installed by TRC is provided on Table 3. A Groundwater Contour Plan is presented as Figure 4.

3.2 Nature and Extent of Contamination

The following sections summarize analytical results for samples collected from the Site during the 2008 and 2010 investigations. Appendix C contains copies of laboratory analytical reports.

3.2.1 Soil

Soil analytical results were compared to MCP Method 1 S-1/GW-2 and S-1/GW-3 soil standards. Soil analytical results from 2008 and 2010 are summarized in Table 4. Soil or semi-solid (i.e., sludge) contents of the concrete-lined pits (TP-2 and TP-106) and Vaults 1 and 2 are not included in this section. See Section 3.2.3 for a discussion of these subsurface structures.

3.2.1.1 Volatile Organic Compounds

No VOC constituents were detected in the soil samples submitted for VOC analysis as part of the 2008 and 2010 investigations.

3.2.1.2 Volatile Petroleum Hydrocarbons

No VPH hydrocarbon ranges or constituent compounds were identified at concentrations exceeding MCP Method 1 S-1/GW-2 or S-1/GW-3 criteria in the samples analyzed for VPH.

3.2.1.3 Extractable Petroleum Hydrocarbons

The following EPH compounds were identified above the Method 1 S-1/GW-2 and/or S-1/GW-3 cleanup standards in the following soil samples:

- C11-C22 aromatics – TP-113 (1-3 ft), TP-117 (3-4 ft), and TP-118 (3-4 ft); and
- Benzo(a)pyrene – TP-06 (2 ft).

No other EPH hydrocarbon ranges or constituent compounds were identified at concentrations exceeding Method 1 S-1/GW-2 or S-1/GW-3 criteria.

3.2.1.4 Semivolatile Organic Compounds

Soil analytical results for SVOCs indicated the presence of bis(2-ethylhexyl)phthalate and the PAHs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene above MCP Method 1 S-1/GW-2 and S-1/GW-3 criteria at the following locations:

- Bis(2-ethylhexyl)phthalate – SS-1 (0-1 ft), SS-4 (0-1 ft), SS-13 (0-1 ft), SS-14 (0-1 ft), SS-21 (0-1 ft), SS-35 (0-1 ft), TP-113 (1-3 ft), TP-114 (2-3 ft), TP-117 (3-4 ft and 5-6 ft), and TP-118 (3-4 ft); and
- Benzo(a)pyrene – SS-1 (0-1 ft), SS-4 (0-1 ft), SS-10 (0-1 ft), SS-11 (0-1 ft), SS-13 (0-1 ft), SS-20 (0-1 ft), SS-25 (0-1 ft), SS-30 (0-1 ft), SS-34 (0-1 ft), TP-5 (3ft), TP-101 (0-1ft), TP-102 (0-2ft), TP-104 (0-2ft), TP-107 (0-2ft), TP-113 (1-3ft), and TP-202 (2-3ft).

Benzo(a)anthracene, benzo(b)fluoranthene, and dibenz(a,h)anthracene, exceeded Method 1 S-1/GW-2 and S-1/GW-3 criteria at SS-1 (0-1 ft), and TP-104 (0-2ft). Indeno(1,2,3-cd)pyrene additionally exceeded its Method 1 S-1/GW-2 and S-1/GW-3 criteria at TP-104 (0-2).

It should be noted that bis(2-ethylhexyl)phthalate was detected in the majority of soil samples collected at the Site. Although bis(2-ethylhexyl)phthalate is a commonly-known laboratory contaminant, phthalates can also be prevalent in the environmental due to their use in plastics. During TRC's subsurface investigation, plastic fragments were observed in the following locations: TP-5, TP-117, SS-1, SS-4, SS-13, SS-20, SS-23, SS-25, SS-26, SS-27, SS-31, SS-32, and SS-35. Bis(2-ethylhexyl)phthalate was detected at each of these locations (among others) at concentrations ranging from 5.3 mg/kg to 3,100 mg/kg. Therefore, the presence of this compound is likely attributable to historic Site use.

3.2.1.5 Polychlorinated Biphenyls

Aroclor-1254 was detected at TP-105 (0-1ft) at a concentration of 2.5 mg/kg, above the applicable Method 1 S-1/GW-2 and S-1/GW-3 criteria. PCBs were not detected above MCP Method 1 cleanup standards in the other 11 soil samples submitted for PCB analysis as part of the 2008 and 2010 investigations.

3.2.1.6 Pesticides

Concentrations of pesticides (4,4'-DDE and 4,4'-DDT) were detected above laboratory detection limits, but below Method 1 S-1/GW-2 and S-1/GW-3 cleanup standards. No other pesticides were detected above laboratory detection limits in Site soil.

3.2.1.7 Metals

Various metals including antimony, arsenic, barium, cadmium, lead, nickel, and zinc were detected in Site soils above Method 1 S-1/GW-2 and S-1/GW-3 cleanup standards. The following summarizes individual metal exceedances in Site soil:

- Antimony – SS-2 (0-1 ft), TP-5 (3 ft), TP-6 (2 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-117 (5-6 ft), TP-118 (3-4 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft);
- Arsenic – SS-2 (0-1 ft), SS-15 (0-1 ft), SS-17 (0-1 ft), TP-6 (2 ft), TP-112 (1-1.5 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft);
- Barium – SS-1 (0-1 ft), SS-2 (0-1 ft), SS-3 (0-1 ft), SS-4 (0-1 ft), SS-14 (0-1 ft), SS-15 (0-1 ft), SS-17 (0-1 ft), SS-21 (0-1 ft), SS-22 (0-1 ft), SS-23 (0-1 ft), SS-34 (0-1 ft), SS-36 (0-1 ft), TP-5 (3 ft), TP-6 (2 ft), TP-108 (0-3 ft), TP-112 (1-1.5 ft), TP-113 (1-3 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-117 (3-4 ft), TP-118 (3-4 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft);
- Cadmium – SS-1 (0-1 ft), SS-2 (0-1 ft), SS-3 (0-1 ft), SS-4 (0-1 ft), SS-7 (0-1 ft), SS-9 (0-1 ft), SS-10 (0-1 ft), SS-11 (0-1 ft), SS-13 (0-1 ft), SS-14 (0-1 ft), SS-15 (0-1 ft), SS-17 (0-1 ft), SS-19 (0-1 ft), SS-20 (0-1 ft), SS-21 (0-1 ft), SS-22 (0-1 ft), SS-23 (0-1 ft), SS-25 (0-1 ft), SS-26 (0-1 ft), SS-27 (0-1 ft), SS-35 (0-1 ft), SS-36 (0-1 ft), TP-5 (3 ft), TP-6 (2 ft), TP-101 (0-1 ft), TP-108 (0-3 ft), TP-110 (1-2 ft), TP-111 (2-3 ft), TP-112 (1-1.5 ft), TP-113 (1-3 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-117 (3-4 and 5-6 ft), TP-118 (3-4 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft);
- Chromium (total) – Total chromium results were compared against Method 1 S-1/GW-2 and S-1/GW-3 cleanup standards for trivalent chromium (Cr^{+3}) based on hexavalent chromium and pH and ORP analytical results (discussed below). Only the analytical result at TP-116 (1-2 ft) exceeded the Method 1 standards for Cr^{+3} ;
- Lead – SS-2 (0-1 ft), SS-3 (0-1 ft), SS-15 (0-1 ft), SS-17 (0-1 ft), SS-23 (0-1 ft), TP-5 (3 ft), TP-6 (2 ft), TP-102 (0-2 ft), TP-112 (1-1.5 ft), TP-113 (1-3 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-117 (3-4 ft), TP-118 (3-4 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft);
- Nickel – SS-17 (0-1 ft), SS-27 (0-1 ft), SS-36 (0-1 ft), TP-6 (2 ft), TP-114 (2-3 ft), TP-115 (1-4 ft), TP-116 (1-2 ft), TP-117 (3-4 ft), TP-119 (4-5 ft), TP-120 (1-3 ft), and TP-121 (1-3 ft); and
- Zinc – SS-2 (0-1 ft), SS-17 (0-1 ft), SS-36 (0-1 ft), TP-6 (2 ft), TP-101 (0-1 ft), TP-116 (1-2 ft), TP-118 (3-4 ft), and TP-120 (1-3 ft).

3.2.1.8 Hexavalent chromium

Two samples, SS-2 (0-1 ft) and SS-17 (0-1 ft), were analyzed for hexavalent chromium, based on the maximum total chromium results in samples SS-1 through SS-36. The results of these analyses were 4.8 mg/kg and 2.8 mg/kg, respectively, both below the S-1/GW-2 and S-1/GW-3 standard for hexavalent chromium. Based on these results, total chromium concentrations in surface soil samples are mainly attributable to trivalent chromium, which is less toxic than hexavalent chromium. Other detections of total chromium in deeper soil samples (greater than 1 foot bgs) are also likely attributable to trivalent chromium.

3.2.1.9 pH and ORP

The pH of surface soil samples SS-1 through SS-36 ranged from weakly acidic (4.4) to neutral (7.7). ORP results indicate slightly oxidizing conditions in Site soil, ranging from 95 mV to 220 mV. Such conditions are not favorable to the persistence of hexavalent chromium in the soil environment, indicating that total chromium concentrations on Site are likely attributable to trivalent chromium.

3.2.2 Above-Slab Soil

The data from samples collected above the slab (e.g., TP-101, 102, 103, and 105) indicate the presence of PAHs and metals, largely consistent with the presence of ash observed in these samples. In addition, PCBs were detected in three of the samples, and one zinc concentration is well above published background. Benzo(a)pyrene exceeded the S-1 standard in two of the four samples (TP-101 [4.3 mg/kg] and TP-102 [3.3 mg/kg]), and dibenz(a,h)anthracene exceeded the S-1 standard at TP-101 (0.86 mg/kg). Cadmium exceeded the S-1 standard at TP-101 (2.6 mg/kg), and lead exceeded the S-1 standard at TP-102 (310 mg/kg). Concentrations of metals and PAHs in these four samples are fairly consistent with one another and with MassDEP-published background concentrations for soil containing coal/coal ash; however, concentrations of zinc at TP-101 (3,200 mg/kg) and detections of PCBs at TP-101 (1.2 mg/kg), TP-103 (0.77 mg/kg), and TP-105 (2.5 mg/kg) do not support a conclusion of background conditions.

Based on the presence of PAHs, metals, and PCBs identified in the soil that was covering the slab, this soil cannot be reused on Site without limitations; however, this soil may be suitable for reuse on Site under certain conditions. These conditions will depend upon several factors that could include: the intended reuse of the Site, Site design decisions, the owner's tolerance for an Activity and Use Limitation (AUL), the feasibility of achieving background, and the recommendations of an LSP.

The soil above the concrete slab were subsequently removed from the surface of the concrete slab foundation and placed adjacent to the slab during the December 2010 investigation. Because the locations of individual samples previously collected can no longer be discerned, the quality of the soil currently covering the concrete slab cannot be determined based upon the June sampling data. Additional analysis of this soil may be warranted prior to decisions involving its reuse.

3.2.3 Groundwater

None of the contaminants analyzed for in groundwater samples collected during the 2008 and 2010 investigations were detected at concentrations above Method 1 GW-2 or GW-3 criteria in Site groundwater. Table 5 provides a summary of groundwater analytical results.

3.2.4 Contents of Subsurface Structures

The following summarizes analytical results of soil/sludge and liquid contents of the two concrete-lined pits and two vaults identified on Site. Analytical results of soils collected from the concrete-lined pits

(TP-2 and TP-106) and sludge material collected from the vaults (Vault-1 and Vault-2) are summarized in Table 6. Analytical results of liquid samples collected from TP-2 and Vault-2 are summarized in Table 7.

3.2.4.1 Concrete-lined Pits

Analytical results of the soil material collected from TP-2 and TP-106 within two, adjacent concrete-lined pits exceeded RCS-1 standards for a number of PAHs (acenaphthylene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, 2-methylnaphthalene, and phenanthrene), C₁₁-C₂₂ aromatic hydrocarbons, and metals (cadmium, chromium, and lead). Additionally soil material from TP-2 also exceeded RCS-1 standards for VOCs (MIBK and toluene) and VPH (C₅-C₈ aliphatic hydrocarbons and toluene).

Of these results, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and lead exceeded their RCS-2 standards at both TP-2 and TP-106, and benzo(a)anthracene exceeded RCS-2 at TP-106.

A sample of standing water from TP-2 contained acetone, toluene, methyl isobutyl ketone (MIBK), and m/p xylene at concentrations below RCGW-2 standards.

3.2.4.2 Vaults 1 and 2

Sludge analytical results indicated the presence of EPH carbon ranges (C₉-C₁₈ aliphatics, C₁₉-C₃₆ aliphatics, and C₁₁-C₂₂ aromatics), PAHs (benzo[a]pyrene, 2-methylnaphthalene, and phenanthrene), VOCs (2-butanone and 1,3,5-trimethylbenzene), and metals (antimony, barium, cadmium, chromium, and lead) at concentrations above RCS-1 standards.

Antimony, barium, chromium, lead, and C₉-C₁₈ aliphatic hydrocarbons additionally exceed their RCS-2 standards.

Several VOCs, PAHs, metals, PCB aroclor 1254, and the pesticides 4-4'-DDD, 4-4'-DDE, and 4-4'-DDT were detected at concentrations above laboratory detection limits but below RCS-1 standards.

Lead and zinc exceeded their RCGW-2 standards in the liquid sample collected from Vault 2. No other analytes exceeded their respective RCGW-2 standards. Toluene and PCB aroclor 1254, antimony, arsenic, barium, cadmium, chromium, mercury, nickel, and vanadium were also detected at concentrations above laboratory detection limits, but below the RCGW-2 standard.

3.3 Data Usability Assessment

TRC conducted a data usability assessment (DUA) for samples collected by TRC during the 2008 and 2010 Site investigations. In general, the precision, accuracy and completeness of the data were considered acceptable for the purposes of this project. The complete data usability assessment is provided in Appendix D.

4.0 CONCLUSIONS

Conclusions based on the results of TRC's 2008 and 2010 Site investigations activities are as follows:

4.1 Subsurface Conditions

The Site is underlain by a thin layer of loamy topsoil followed by layers of fine to medium sand and silt, with varying amounts of gravel. In the western portion of the Site (test pit TP-201), a layer of peat was observed beneath fill materials at depths ranging from 2.5 to 3.5 feet. Evidence of anthropogenic fill materials containing coal and coal ash, and in some locations brick and glass, was identified at several locations across the northern two-thirds of the Site at depths up to 4.5 feet. Significant waste debris (i.e., brick, coal and/or wood ash, glass, metal, wood, leather, concrete, plastic, etc.) is located in the subsurface in the southern approximately one-third of the Site at depths of up to six feet. An approximate 200-foot by 42-foot concrete slab foundation of the former Site building is located in the western portion of the Site beneath approximately one to two feet of soil. The slab is underlain by a thin layer of coal ash and clinkers, followed by native soils.

Depth to water as measured on July 16, 2010 ranged from approximately 8.05 feet to 10.80 feet from the top of the stick-up well risers. This corresponds to approximately 4 to 7.5 feet below ground surface. Each on-Site monitoring well was screened for LNAPL using an oil/water interface probe. LNAPL was not detected during gauging.

The July 2010 gauging data was paired with the results of TRC's June 24, 2010 relative elevation survey to assess the slope of the groundwater table beneath the Site. Based on these results, the groundwater slopes to the south at an average gradient of 0.007 foot/foot in the northern half of the Site between MW-1 and MW-5. The slope of the groundwater table in the southern half of the Site becomes steeper, with a gradient of approximately 0.040 foot/foot between MW-5 and MW-3.

4.2 Site Soil Conditions

Contaminants detected in Site soil at concentrations in excess of MCP Method 1 S-1/GW-2 and S-1/GW-3 criteria include metals, PAHs, one EPH hydrocarbon range (C11-C22 aromatics), one PCB aroclor (aroclor 1254), and bis(2-ethylhexyl)phthalate. The main area of contaminated soil is located in the southern portion of the property where waste debris was historically dumped on Site and, likely on neighboring properties. Additional areas of identified soil contamination are less contiguous and are generally related to anthropogenic fill materials containing coal ash.

4.2.1 *Historical Dumping on Southern Portion of Site*

Based on observations made during excavation of test pits in 2008 and 2010, the southern portion of the Site was historically used for waste disposal, and waste debris was found to depths up to six feet bgs. The area extends from test pits TP-110 and TP-111 to the southern boundary of the Site and, likely, beyond. Since this area of the Site is adjacent to a wetland, material may have been dumped to increase upland land area. Analysis of soil samples from within the fill layer indicated the presence of PAHs, metals, C₁₁-C₂₂ aromatic hydrocarbons, and bis(2-ethylhexyl)phthalate above regulatory comparison criteria. Observed debris materials near the southwest and southeast corners of the Site property indicate that the lateral extents of the waste disposal area have not yet been fully assessed. Undulating topography south and west of the property boundary may indicate that historical filling activities included areas on adjacent properties.

4.2.2 Other Areas of Soil Contamination

A thin layer of anthropogenic fill was observed over much of the Site, and the presence of PAHs and/or metals is potentially related to coal and coal ash at several locations, including B-5 (3-4 ft), B-6 (3-4 ft), TP-102 (0-2 ft), TP-107 (0-2 ft), TP-108 (0-3 ft), and TP-202 (2-3 ft). Fill containing coal and/or coal ash was not identified at two locations exhibiting PAH concentrations above regulatory comparison criteria (TP-101 and TP-104).

The PCB aroclor 1254 exceeded its MCP Method 1 standard at TP-105 (0-1 ft) and was additionally detected above laboratory detection limits at TP-101 (0-1 ft) and TP-103 (0-1 ft). Historical Sanborn maps included in the 2007 ASTM indicate that electrical transformers were formerly located adjacent to the northwest corner of the Site building. The presence of PCBs in this area of the Site may be related to their historic use in dielectric fluids and transformer oils.

4.2.3 Soil Results that “Could Pose” an Imminent Hazard

Analytical results of soil samples collected within 12-inches of the ground surface were compared to contaminant concentrations representing releases that could pose an Imminent Hazard, published at 310 CMR 40.0321(2)(b), to initially assess the potential for an Imminent Hazard condition at the Site. Surface soil sample results for cadmium and total chromium exceeded their respective concentrations published therein. Cadmium exceeded 60 mg/kg in one sample, SS-22 (290 mg/kg), indicating that cadmium concentrations in Site soil within 12 inches of the ground surface “could pose” an Imminent Hazard. Total chromium concentrations exceeded 200 mg/kg in four soil samples, including SS-2 (450 mg/kg), SS-3 (230 mg/kg), SS-15 (290 mg/kg), and SS-17 (470 mg/kg).

The samples exhibiting the highest concentrations of total chromium (SS-2 and SS-17) were also analyzed for hexavalent chromium to evaluate the species of chromium present on Site. Analytical results for hexavalent chromium were 4.8 mg/kg in SS-2 and 2.8 mg/kg in SS-17, indicating that the chromium on Site is largely trivalent and not hexavalent.

Therefore, concentrations of total chromium in excess of 200 mg/kg within 12-inches of the ground surface are not a two-hour reporting trigger under 310 CMR 40.0321(2)(b). Additionally, pH and ORP results indicate a neutral to weakly acidic (pH 4.4 to 7.7) and oxidizing (95 mV to 220 mV). These soil conditions do not support the persistence of hexavalent chromium, which prefers a basic and oxidizing environment.

4.2.4 Imminent Hazard Evaluation

Based on the detections of cadmium within 12-inches of the ground surface at a concentration that “could pose” an Imminent Hazard according to 310 CMR 40.0321(2)(b), TRC conducted an Imminent Hazard evaluation that indicated that an Imminent Hazard does not exist for surface soil on Site. The complete Imminent Hazard evaluation is included in Appendix E.

4.3 Site Groundwater Conditions

In 2008 and 2010, groundwater samples were collected from each of the five on-Site monitoring wells and submitted for laboratory analysis for VOCs, VPH, SVOCs, EPH, and total MCP metals and mercury. Analytical results for each sampling round indicated that none of the contaminants tested for in groundwater were present at concentrations exceeding their respective Method 1 GW-2 or GW-3 criteria.

4.4 Continuing Potential Sources of Contamination

Four subsurface concrete structures were identified during this investigation, including two concrete-lined pits at TP-2 and TP-106 and two vaults (Vault 1 and Vault 2). The concrete-lined pits appear to have been filled with waste debris (including sludge) containing petroleum, PAHs, and metals during or after demolition of the Site building. Several VOCs were also detected in the sludge samples collected from the concrete-lined pit-(TP-2), including MIBK and toluene.

Though the specific historical nature of Vault 1 and Vault 2 could not be definitely determined, the presence of sludge material and high concentrations of petroleum hydrocarbons indicates that the vessels were used to dispose or store petroleum products. The design and construction of the vaults (i.e., floor drains, above-slab fittings, and associated piping) suggests that the vaults may have been used as part of an on-Site septic system, though the evidence for this is incomplete. The vaults may also have been utilized for petroleum storage or disposal during the Site's period as vehicle maintenance and repair facility.

Based on observations and data obtained from test pits completed around these structures, the contents of all four concrete structures are contained and are not indicative of environmental conditions on Site; however, the presence of these structures presents a potential future source of release to the environment, should the integrity of these vessels be compromised in the future.

4.5 Current Regulatory Status

The Site is currently listed as a Disposal Site by MassDEP under Release Tracking Number 3-28202 for a Reportable Release or Threat of Release of metals that was reported on December 5, 2008. The current Site status is Tier 1D.

5.0 RECOMMENDATIONS

TRC presents the following recommendations based on the results of this Site Investigation:

- **Conduct Additional Response Actions** – TRC recommends conducting additional response actions to assess and/or cleanup soil contamination on Site. Response actions may include additional soil sampling to assess the lateral and vertical extents of contaminated waste debris located on and from the Site and should be conducted under the direction of a Massachusetts LSP.
- **Decommission the Existing Sub-grade Concrete Structures** – TRC recommends that the two vaults and the two concrete-line pits identified during subsurface investigations be emptied of their contents and that those contents are disposed off Site under the supervision of a Massachusetts LSP and in accordance with receiving facility acceptance criteria.
- **Massachusetts Contingency Plan Compliance** – An MCP Phase I Initial Site Investigation Report and Tier Classification must be submitted to MassDEP by the Town prior to performance of Comprehensive Response Actions. In addition, a Release Notification Form should be submitted to MassDEP by the Town within 120-days of receipt of this report that indicates the maximum detected concentrations of the following previously unreported contaminants:
 - o C11-C22 Aromatics – 6,900 mg/kg
 - o Benzo(a)anthracene – 22 mg/kg
 - o Benzo(a)pyrene – 22 mg/kg
 - o Benzo(b)fluoranthene – 17 mg/kg
 - o Bis(2-ethylhexyl)phthalate – 3,100 mg/kg
 - o Dibenzo(a,h)anthracene – 0.96 mg/kg
 - o Indeno(1,2,3-cd)pyrene – 12 mg/kg
 - o PCB aroclor-1254 – 2.5 mg/kg
 - o Antimony – 163 mg/kg
 - o Arsenic – 51 mg/kg
 - o Cadmium – 290 mg/kg
 - o Nickel – 100 mg/kg

6.0 REFERENCES

- TRC, 2007. *Phase I Environmental Site Assessment, 29 Elm Street, Salisbury, Massachusetts*. Prepared for: Merrimack Valley Planning Commission, Haverhill, Massachusetts. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. August 2007.
- TRC, 2008. *Phase II Site Investigation Summary Report, 29 Elm Street, Salisbury, Massachusetts*. Prepared for: Merrimack Valley Planning Commission, Haverhill, Massachusetts. Prepared by: TRC Environmental Corporation, Lowell, Massachusetts. May 2008.

TABLES

Table 1: Summary of Soil Samples and Analytical Parameters – April 2008 29 Elm Street, Salisbury, Massachusetts							
Sample ID	Sample Depth (feet bgs)	VOCs	VPH	SVOCs	EPH	MCP Metals + Hg	PCBs
B-1	3-4		X	X	X	X	
B-2	3-4		X	X	X	X	
B-3	0-1		X	X	X	X	
TP-1	4		X	X	X	X	X
TP-3	3		X	X	X	X	
TP-4	7		X	X	X	X	
TP-5	3		X	X	X	X	
TP-6	2		X	X	X	X	
TP-7	6	X		X			
TP-8	2	X		X			
Notes: VOCs – volatile organic compounds SVOCs – semi-volatile organic compounds MCP – Massachusetts Contingency Plan Hg – mercury PCBs – Polychlorinated Biphenyls VPH – Volatile Petroleum Hydrocarbons EPH – Extractable Petroleum Hydrocarbons							

Table 2:
Summary of Soil Samples and Analytical Parameters - June 2010
29 Elm Street, Salisbury, Massachusetts

Sample ID	Sample Depth (feet bgs)	VOCs	VPH	SVOCs	EPH	MCP Metals + Hg	PCBs	Pesticides	Cr ^{+6**}	pH & ORP
B-5	3-4/4	X	X	X	X	X				
B-6	3-4/4	X	X	X	X	X				
SS-1	0-1			X		X				X
SS-2	0-1			X		X			X	X
SS-3	0-1			X		X				X
SS-4	0-1			X		X				X
SS-5	0-1			X		X				X
SS-6	0-1			X		X				X
SS-7	0-1			X		X				X
SS-8	0-1			X		X				X
SS-9	0-1			X		X				X
SS-10	0-1			X		X				X
SS-11	0-1			X [§]		X [§]				X
SS-12	0-1			X*		X*				X*
SS-13	0-1			X		X				X
SS-14	0-1			X		X				X
SS-15	0-1			X		X				X
SS-16	0-1			X		X				X
SS-17	0-1			X		X			X	X
SS-18	0-1			X		X				X
SS-19	0-1			X [§]		X [§]				X
SS-20	0-1			X*		X*				X*
SS-21	0-1			X		X				X
SS-22	0-1			X		X				X
SS-23	0-1			X		X				X
SS-24	0-1			X		X				X
SS-25	0-1			X		X				X
SS-26	0-1			X		X				X
SS-27	0-1			X		X				X
SS-28	0-1			X		X				X
SS-29	0-1			X		X				X
SS-30	0-1			X		X				X
SS-31	0-1			X		X				X
SS-32	0-1			X		X				X
SS-33	0-1			X		X				X
SS-34	0-1			X		X				X
SS-35	0-1			X		X				X
SS-36	0-1			X		X				X
TP-101	0-1/1	X		X		X	X	X		
TP-102	0-2/0.5	X*		X*		X*	X*	X*		
TP-103	0-1/0.5	X		X		X [§]	X	X [§]		
TP-104	0-2/2	X		X		X	X	X		
TP-105	0-1/0.5	X		X		X	X	X		
TP-106 [∞]	0-3/2	X*	X*	X*	X*	X*				
TP-107	0-2/2, 3-4/4	X	X	X	X	X				
TP-108	0-3/2, 4-5/4	X	X	X	X	X				

Table 2:
Summary of Soil Samples and Analytical Parameters - June 2010
29 Elm Street, Salisbury, Massachusetts

Sample ID	Sample Depth (feet bgs)	VOCs	VPH	SVOCs	EPH	MCP Metals + Hg	PCBs	Pesticides	Cr ^{+6**}	pH & ORP
TP-109	0-3/2, 5-6/6	X	X	X	X	X				
TP-110	1-2			X	X	X [§]				
TP-111	2-3			X	X	X				
TP-112	1-1.5			X	X	X				
TP-113	1-3			X	X	X				
TP-114	2-3			X	X	X				
TP-115	1-4			X*	X*	X*				
TP-116	1-2			X	X	X				
TP-117	3-4, 5-6			X	X	X				
TP-118	3-4			X	X	X				
TP-119	4-5			X	X	X				
TP-120	1-3			X	X	X				
TP-121	1-3			X	X	X				

Notes: * - Field duplicate was collected
 § - MS/MSD or MS/Dup sample
 MCP – Massachusetts Contingency Plan
 PCBs – Polychlorinated Biphenyls
 EPH – Extractable Petroleum Hydrocarbons
 ∞ - TP-106 Collected from within a concrete-lined pit and does not represent soil conditions on Site.
 ** - Cr⁺⁶ placed on hold pending results of total chromium analysis.

VOCs – Volatile Organic Compounds
 SVOCs – Semi-volatile Organic Compounds
 Hg – mercury
 VPH – Volatile Petroleum Hydrocarbons
 Cr⁺⁶ – Hexavalent Chromium

Table 3:
Summary of Soil Samples and Analytical Parameters – December 2010
29 Elm Street, Salisbury, Massachusetts

Sample ID	Sample Depth (feet bgs)	VOCs	SVOCs	Pesticides	PCBs	MCP Metals + Hg	EPH Carbon Ranges
TP-201 South	3	X	X [§]	X [§]	X [§]	X [§]	
TP-201 North	2	X	X	X	X	X	
Vault 1	3.5	X	X	X	X	X	X
Vault 2	3.5	X	X	X	X	X	X
TP-202	2.5 / 2-3	X	X	X	X	X	
TP-203	2.5	X	X	X	X	X	
TP-204	1.5	X	X	X	X	X	

Notes: § - MS/MSD or MS/Dup sample
 EPH – Extractable Petroleum Hydrocarbons
 MCP – Massachusetts Contingency Plan
 PCBs – Polychlorinated Biphenyls

VOCs – Volatile Organic Compounds
 SVOCs – Semi-volatile Organic Compounds
 Hg – mercury
 VPH – Volatile Petroleum Hydrocarbons

Table 4:
Summary of Groundwater Elevation Data and Survey Data – July 2010
29 Elm Street, Salisbury, Massachusetts

[illegible]

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: B-1/MW1 B-2/MW2 B-3/MW3 B-5 B-6 SS-1 SS-2 SS-3 SS-4 SS-5 SS-6 SS-7 SS-8 SS-9 SS-10 SS-11		SS-12																	
		Sample Depth (ft.):*		3-4	3-4	0-1	3-4/4	3-4/4	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Date:		04/18/08	04/18/08	04/18/08	6/15/2010	6/15/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																	0-1	0-1
																				6/14/2010	6/14/2010
																					Field Dup
VOCs (mg/kg)	Acetone	50	400	NA	NA	NA	0.098 U	0.075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	NA	NA	NA	0.0098 U	0.0075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	400	NA	NA	NA	0.039 U	0.030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	NS	NS	NA	NA	NA	0.0059 U	0.0045 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Tetrachloride	5	10	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	0.03	20	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	NA	NA	NA	0.0039 U	0.0030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	0.0098 U	0.0075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane (EDB)	0.1	0.7	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethylene	40	500	NA	NA	NA	0.0039 U	0.0030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethylene	0.4	100	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethylene	1	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethyl Ether	NS	NS	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Diisopropyl Ether (DIPE)	NS	NS	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,4-Dioxane	6	70	NA	NA	NA	0.098 U	0.075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene	500	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Hexachlorobutadiene	6	6	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2-Hexanone (MBK)	NS	NS	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Isopropylbenzene (Cumene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
p-Isopropyltoluene (p-Cymene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl tert-Butyl Ether (MTBE)	100	100	NA	NA	NA	0.0039 U	0.0030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methylene Chloride	20	200	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
4-Methyl-2-pentanone (MIBK)	50	400	NA	NA	NA	0.020 U	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene	40	500	NA	NA	NA	0.0039 U	0.0030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
n-Propylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Styrene	4	30	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,1,2-Tetrachloroethane	0.1	7	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1,2,2-Tetrachloroethane	0.02	0.8	NA	NA	NA	0.00098 U	0.00075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrachloroethylene	10	30	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Tetrahydrofuran	NS	NS	NA	NA	NA	0.0098 U	0.0075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010

29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		B-1/MW1 3-4 04/18/08	B-2/MW2 3-4 04/18/08	B-3/MW3 0-1 04/18/08	B-5 3-4/4 6/15/2010	B-6 3-4/4 6/15/2010	SS-1 0-1 6/14/2010	SS-2 0-1 6/14/2010	SS-3 0-1 6/14/2010	SS-4 0-1 6/14/2010	SS-5 0-1 6/14/2010	SS-6 0-1 6/14/2010	SS-7 0-1 6/14/2010	SS-8 0-1 6/14/2010	SS-9 0-1 6/14/2010	SS-10 0-1 6/14/2010	SS-11 0-1 6/14/2010	SS-12		
		Sample Date:																		0-1 6/14/2010	0-1 6/14/2010 Field Dup	
		S-1/GW-2	S-1/GW-3																			
	Toluene	500	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trichlorobenzene	70	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,1,1-Trichloroethane	500	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,1,2-Trichloroethane	2	4	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Trichloroethylene	2	90	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	NA	NA	0.0098 U	0.0075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,3,5-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Vinyl Chloride	0.6	0.6	NA	NA	NA	0.0098 U	0.0075 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	m+p Xylene	300	500	NA	NA	NA	0.0039 U	0.0030 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	o-Xylene	300	500	NA	NA	NA	0.0020 U	0.0015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	VPH (mg/kg)	C5-C8 Aliphatics	100	100	19.7 U	26.0 U	33.3 U	18 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C9-C12 Aliphatics		1,000	1,000	13.1 U	17.3 U	22.2 U	18 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
C9-C10 Aromatics		100	100	13.1 U	17.3 U	22.2 U	18 U	18 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Benzene		30	30	0.066 U	0.087 U	0.111 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethylbenzene		500	500	0.066 U	0.087 U	0.111 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methyl T-Butyl Ether (MTBE)		100	100	0.066 U	0.087 U	0.111 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Naphthalene		40	500	0.655 U	0.865 U	1.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Toluene		500	500	0.066 U	0.087 U	0.111 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Xylenes, m/p-		300	500	0.131 U	0.173 U	0.222 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Xylene, o-		300	500	0.066 U	0.087 U	0.111 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
EPH (mg/kg)	C9-C18 Aliphatics	1,000	1,000	34.6 U	38.4 U	36.6 U	13 U	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C19-C36 Aliphatics	3,000	3,000	34.6 U	38.4 U	36.6 U	13 U	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C11-C22 Aromatics	1,000	1,000	34.6 U	38.4 U	36.6 U	13 U	12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Acenaphthene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Acenaphthylene	600	10	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Anthracene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)anthracene	7	7	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)pyrene	2	2	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(b)fluoranthene	7	7	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(g,h,i)perylene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(k)fluoranthene	70	70	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Chrysene	70	70	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dibenzo(a,h)anthracene	0.7	0.7	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluoranthene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluorene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Indeno(1,2,3-cd)pyrene	7	7	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Methylnaphthalene, 2-	80	300	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Naphthalene	40	500	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Phenanthrene	500	500	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Pyrene	1,000	1,000	0.2 U	0.2 U	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	1.7	0.20 U	0.20 U	0.20 U	0.42	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	2.0	1.0	0.19 U	0.19 U
	Acenaphthylene	600	10	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	0.20 U	0.20 U	0.20 U	0.21 U	0.21 U	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	0.19 U	0.19 U	0.19 U	0.19 U
	Acetophenone	NS	NS	0.39 U	0.43 U	0.41 U	0.45 U	0.43 U	0.40 U	0.40 U	0.41 U	0.42 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U
	Aniline	NS	NS	0.39 U	0.43 U	0.41 U	0.45 U	0.43 U	0.40 U	0.40 U	0.41 U	0.42 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U
	Anthracene	1,000	1,000	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	3.5	0.20 U	0.20 U	0.20 U	0.71	0.32	0.20	1.2	0.20 U	0.32	3.3	1.4	0.19 U	0.23
	Benzo(a)anthracene	7	7	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	7.8	0.20 U	0.61	2.5	1.1	0.81	1.9	0.42	1.5	6.4	2.9	0.53	0.90	
	Benzo(a)pyrene	2	2	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	6.1	0.20 U	0.60	2.1	0.99	0.84	1.4	0.37	1.4	5.0	2.2	0.50	0.80	
	Benzo(b)fluoranthene	7	7	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	8.2	0.24	0.91	2.8	1.3	0.98	1.7	0.45	1.6	6.0	3.2	0.75	1.2	
	Benzo(g,h,i)perylene	1,000	1,000	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	2.9	0.20 U	0.30	1.0	0.50	0.49	1.0 U	0.22	0.69	2.2	0.75	0.24	0.49	
	Benzo(k)fluoranthene	70	70	0.20 U	0.22 U	0.21 U	0.22 U	0.21 U	3.7	0.20 U	0.36	1.1	0.50	0.42	1.0 U	0.20 U	0.67	3.7	1.3	0.26	0.50	
	Bis(2-chloroethoxy)methane	NS	NS	0.39 U	0.43 U	0.41 U	0.45 U	0.43 U	0.40 U	0.40 U	0.41 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U	
	Bis(2-chloroethyl)ether	0.7	0.7	0.39 U	0.43 U	0.41 U	0.45 U	0.43 U	0.40 U	0.40 U	0.41 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U	
	Bis(2-chloroisopropyl)ether	0.7	3	0.39 U	0.43 U	0.41 U	0.45 U	0.43 U	0.40 U	0.40 U	0.41 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U	

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: B-1/MW1 B-2/MW2 B-3/MW3 B-5 B-6 SS-1 SS-2 SS-3 SS-4 SS-5 SS-6 SS-7 SS-8 SS-9 SS-10 SS-11		SS-12																	
		Sample Depth (ft.):*:		3-4	3-4	0-1	3-4/4	3-4/4	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Date:		04/18/08	04/18/08	04/18/08	6/15/2010	6/15/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																		
	delta-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC (Lindane)	0.7	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor Epoxide	0.09	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	200	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Metals, total (mg/kg)	Antimony	20	20	4.61 U	5.12 U	4.88 U	3.3 U	3.1 U	2.8 U	21	3.1 U	2.9 U	3.1 U	2.7 U	3.1 U	3.0 U	3.2 U	2.9 U	3.0 U	2.9 U	3.1 U
	Arsenic	20	20	8.11	3.20 U	3.86	3.3 U	3.1 U	14	36	18	9.3	15	14	15	10	12	11	18	11	10
	Barium	1,000	1,000	7.36	25.6	17.5	27	30	1,700	7,000	6,100	2,900	160	59	380	42	250	840	420	640	420
	Beryllium	100	100	0.29 U	0.32 U	0.31 U	2.4	3.4	0.28 U	0.32 U	0.31 U	0.29 U	0.31 U	0.27 U	0.31 U	0.30 U	0.32 U	0.29 U	0.30 U	0.29 U	0.31 U
	Cadmium	2	2	0.29 U	0.32 U	0.31 U	0.33 U	1.8	5.7	57	18	8.0	0.61	0.39	7.2	1.1	2.3	4.3	3.1	1.1	0.99
	Chromium (total)	1,000**	1,000**	4.85	9.89	10.2	10	8.7	71	450	230	49	25	13	47	18	26	61	43	21	21
	Chromium (VI)	30	30	NA	NA	NA	NA	NA	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	1.90	4.97	22.8	12	4.9	190	570	700	180	130	96	170	27	69	140	290	130	120
	Mercury	20	20	0.025 U	0.017	0.053	0.027 U	0.021 U	0.13	0.063	0.22	0.12	0.12	0.14	0.064	0.072	0.042	0.097	0.10	0.14	0.10
	Nickel	20	20	5.82	5.68	4.52	5.7	7.5	16	15	12	9.2	4.9	5.0	17	7.1	10	15	13	7.1	6.5
	Selenium	400	400	5.77 U	6.40 U	6.10 U	6.6 U	6.2 U	5.6 U	6.3 U	6.3 U	5.8 U	6.2 U	5.5 U	6.3 U	6.0 U	6.3 U	5.9 U	6.0 U	5.7 U	6.2 U
	Silver	100	100	0.58 U	0.64 U	0.61 U	0.66 U	0.62 U	0.56 U	0.63 U	0.63 U	0.58 U	0.62 U	0.55 U	0.63 U	0.60 U	0.63 U	0.59 U	0.60 U	0.57 U	0.62 U
	Thallium	8	8	3.46 U	3.84 U	3.66 U	3.3 U	3.1 U	2.8 U	3.2 U	3.1 U	2.9 U	3.1 U	2.7 U	3.1 U	3.0 U	3.2 U	2.9 U	3.0 U	2.9 U	3.1 U
	Vanadium	600	600	5.77 U	9.42	11.9	10	23	22	17	14	15	14	14	20	16	19	18	27	16	14
	Zinc	2,500	2,500	10.8	23.1	18.4	17	23	450	3,700	2,400	580	84	42	710	40	100	260	270	100	95
Oxidation/Reduction Potential (mV)		N/A	N/A	NA	NA	NA	NA	NA	130	190	200	180	160	150	170	200	170	150	140	130	140
pH (s.u.)		N/A	N/A	NA	NA	NA	NA	NA	5.8	7.1	6.4	5.6	4.9	4.6	5.9	5.3	5.9	6.0	5.8	5.4	5.2

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - milliVolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed MassDEP Method 1 S-1 standards.

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.

* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.

** - Cr (III) standards used for comparison to total chromium results, based on hexavalent chromium and pH/ORP results.

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		SS-13 0-1	SS-14 0-1	SS-15 0-1	SS-16 0-1	SS-17 0-1	SS-18 0-1	SS-19 0-1	SS-20		SS-21 0-1	SS-22 0-1	SS-23 0-1	SS-24 0-1	SS-25 0-1	SS-26 0-1	SS-27 0-1	SS-28 0-1	SS-29 0-1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	0-1 6/14/2010	0-1 6/14/2010 Field Dup	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																		
VOCs (mg/kg)	Acetone	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Tetrachloride	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	0.03	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane (EDB)	0.1	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethylene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethylene	0.4	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethylene	1	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl Ether (DIPE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone (MBK)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene (Cumene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene (p-Cymene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene Chloride	20	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone (MIBK)	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethylene	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20		SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29	
		Sample Depth (ft.):*		0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3									Field Dup										
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trichlorobenzene	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,1,1-Trichloroethane	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,1,2-Trichloroethane	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Trichloroethylene	2	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1,3,5-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Vinyl Chloride	0.6	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	m+p Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	o-Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
VPH (mg/kg)	C5-C8 Aliphatics	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C9-C12 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C9-C10 Aromatics	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Methyl T-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Xylenes, m/p-	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Xylene, o-	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
EPH (mg/kg)	C9-C18 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C19-C36 Aliphatics	3,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	C11-C22 Aromatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Acenaphthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Acenaphthylene	600	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Anthracene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)anthracene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)pyrene	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(b)fluoranthene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(g,h,i)perylene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(k)fluoranthene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Chrysene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dibenzo(a,h)anthracene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluoranthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluorene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Indeno(1,2,3-cd)pyrene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Methylnaphthalene, 2-	80	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Phenanthrene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Pyrene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	1.2	0.22	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U	
	Acenaphthylene	600	10	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.40	0.38 U	
	Acetophenone	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	
	Aniline	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	
	Anthracene	1,000	1,000	1.1	0.97 U	1.0 U	0.24	0.20 U	0.18 U	0.99 U	1.7	0.44	0.34	0.37	0.19 U	0.36 U	1.2	0.32	1.8 U	0.46	0.38 U	
	Benzo(a)anthracene	7	7	2.8	0.97 U	2.1	0.72	0.20 U	0.25	2.0	2.9	1.0	0.94	1.4	0.29	0.36 U	3.4	1.1	1.9	1.2	0.46	
	Benzo(a)pyrene	2	2	2.1	0.97 U	1.6	0.60	0.20 U	0.31	1.7	2.4	0.91	1.1	1.2	0.26	0.36 U	3.1	1.1	1.8 U	1.3	0.51	
	Benzo(b)fluoranthene	7	7	2.7	0.97 U	2.0	0.76	0.20 U	0.37	2.2	3.4	1.2	1.9	1.8	0.38	0.36 U	4.2	1.5	2.1	1.6	0.63	
	Benzo(g,h,i)perylene	1,000	1,000	1.2	0.97 U	1.4	0.41	0.20 U	0.23	0.99 U	1.1	0.48	0.69	0.63	0.19 U	0.36 U	1.3	0.53	1.8 U	0.59	0.38 U	
	Benzo(k)fluoranthene	70	70	1.2	0.97 U	1.0 U	0.37	0.20 U	0.18 U	0.99 U	1.4	0.46	0.76	0.64	0.19 U	0.36 U	1.7	0.59	1.8 U	0.58	0.38 U	
	Bis(2-chloroethoxy)methane	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	
	Bis(2-chloroethyl)ether	0.7	0.7	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	
	Bis(2-chloroisopropyl)ether	0.7	3	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20		SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29
		Sample Depth (ft.):*		0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																		
	Bis(2-Ethylhexyl)phthalate	200	200	440	770	120	21	0.39 U	0.37 U	98	22	54	1,300	12	5.3	0.72 U	140	150	84	1.1	1.2
	4-Bromophenylphenylether	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Butylbenzylphthalate	NS	NS	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U
	4-Chloroaniline	100	3	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U
	2-Chloronaphthalene	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	2-Chlorophenol	100	100	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Chrysene	70	70	2.7	0.97 U	2.2	0.72	0.20 U	0.26	2.0	2.8	1.1	1.4	1.5	0.32	0.36 U	3.6	1.2	1.9	1.3	0.49
	Dibenz(a,h)anthracene	0.7	0.7	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U
	Dibenzofuran	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	1,2-Dichlorobenzene	30	300	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	1,3-Dichlorobenzene	40	100	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	1,4-Dichlorobenzene	4	50	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	3,3-Dichlorobenzidine	1	1	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U
	2,4-Dichlorophenol	60	40	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Diethylphthalate	200	300	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	2,4-Dimethylphenol	100	500	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Dimethylphthalate	50	600	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U
	Di-n-butylphthalate	NS	NS	2.0 U	1.9 U	2.0 U	0.56	0.39 U	0.37 U	2.0 U	1.9 U	0.44	4.7	2.4	1.9	0.72 U	1.9 U	1.3	3.7 U	0.46	0.75 U
	2,4-Dinitrophenol	50	50	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U
	2,4-Dinitrotoluene	2	2	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	2,6-Dinitrotoluene	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Di-n-octylphthalate	NS	NS	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	11	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Fluoranthene	1,000	1,000	4.3	0.97 U	3.7	1.2	0.24	0.44	3.6	5.8	2.1	3.0	3.0	0.65	0.36 U	5.8	1.9	3.5	2.8	0.80
	Fluorene	1,000	1,000	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	1.2	0.24	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.26	0.38 U
	Hexachlorobenzene	0.7	0.7	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Hexachlorobutadiene	6	6	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Hexachloroethane	3	9	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Indeno(1,2,3-cd)pyrene	7	7	1.4	0.97 U	1.6	0.48	0.20 U	0.26	1.1	1.2	0.59	0.84	0.76	0.19 U	0.36 U	1.6	0.62	1.8 U	0.72	0.38
	Isophorone	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	2-Methylnaphthalene	80	300	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U
	2-Methylphenol	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	3/4-Methylphenol	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	Naphthalene	40	500	0.98 U	0.97 U	1.0 U	0.18 U	0.20 U	0.18 U	0.99 U	2.6	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U
	Nitrobenzene	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	2-Nitrophenol	NS	NS	2.0 U	1.9 U	2.0 U	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U
	4-Nitrophenol	NS	NS	3.8 U	3.8 U	3.9 U	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73			

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		SS-13	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20		SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29	
		Sample Date:		0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																			
	delta-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	gamma-BHC (Lindane)	0.7	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Chlordane	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4,4'-DDD	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dieldrin	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Endosulfan I	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Endosulfan II	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Endosulfan Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Endrin	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Endrin Ketone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Heptachlor	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Heptachlor Epoxide	0.09	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Hexachlorobenzene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Methoxychlor	200	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Metals, total (mg/kg)																						
	Antimony	20	20	3.0 U	3.2 U	12	2.9 U	3.2 U	2.7 U	2.9 U	2.8 U	2.6 U	2.9 U	3.0 U	3.7	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	
	Arsenic	20	20	13	10	21	9.2	21	10	9.0	17	12	16	13	15	9.2	7.8	11	12	14	9.5	
	Barium	1,000	1,000	490	1,500	2,800	610	6,300	20	460	340	51	1,100	4,600	3,900	30	580	900	460	87	120	
	Beryllium	100	100	0.30 U	0.32 U	0.32 U	0.29 U	0.32 U	1.9	2.0	2.3	0.26 U	3.1	3.4	2.8	2.3	1.8	2.2	3.4	1.5	1.7	
	Cadmium	2	2	12	11	3.2	1.4	2.2	0.27 U	4.5	6.3	2.0	12	290	4.7	0.28	3.4	4.2	5.1	0.48	0.40	
	Chromium (total)	1,000**	1,000**	49	40	290	84	470	16	35	38	16	55	59	160	19	33	32	50	15	16	
	Chromium (VI)	30	30	NA	NA	NA	NA	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Lead	300	300	220	240	350	110	320	66	110	120	29	150	280	630	25	110	110	100	120	56	
	Mercury	20	20	0.30	0.12	2.3	0.067	0.052	0.025	0.045	0.057	0.034	0.26	0.16	0.087	0.024 U	0.051	0.068	0.10	0.16	0.044	
	Nickel	20	20	9.4	7.7	17	9.1	28	12	11	16	6.4	18	13	15	14	8.6	14	22	6.1	12	
	Selenium	400	400	6.1 U	6.4 U	6.4 U	5.8 U	6.4 U	5.3 U	5.7 U	5.5 U	5.3 U	5.7 U	6.0 U	5.5 U	5.3 U	5.4 U	5.4 U	5.4 U	5.5 U	5.4 U	
	Silver	100	100	0.61 U	0.64 U	59	0.58 U	0.64 U	0.53 U	0.57 U	0.55 U	0.53 U	0.57 U	0.60 U	0.55 U	0.53 U	0.54 U	0.54 U	0.54 U	1.0	0.54 U	
	Thallium	8	8	3.0 U	3.2 U	3.2 U	2.9 U	3.2 U	2.7 U	2.9 U	2.8 U	2.6 U	2.9 U	3.0 U	2.7 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	
	Vanadium	600	600	18	13	24	14	20	16	16	17	14	23	20	14	25	13	16	24	12	16	
	Zinc	2,500	2,500	130	62	610	200	8,000	45	210	570	45	400	330	1,900	47	160	230	170	62	94	
Oxidation/Reduction Potential (mV)																						
	Oxidation/Reduction Potential	N/A	N/A	220	220	150	140	170	160	150	140	120	130	140	140	130	100	120	140	130	120	
pH (s.u.)	pH	N/A	N/A	5.0	4.4	5.6	5.9	7.7	5.7	5.4	5.6	5.3	6.3	5.5	6.8	5.7	5.3	5.7	5.6	4.8	6.2	

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
NA - Sample not analyzed for the listed analyte.
N/A - Not applicable.
NS - No MassDEP standards exist for this analyte.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 S-1 standards.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.
EPH - Extractable Petroleum Hydrocarbons.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.
* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.
** - Cr (III) standards used for comparison to total chromium results, based on hexavalent chromium and pH/ORP results.

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		SS-30 0-1	SS-31 0-1	SS-32 0-1	SS-33 0-1	SS-34 0-1	SS-35 0-1	SS-36 0-1	TP-01		TP-03		TP-04 7	TP-05		TP-06 2	TP-07 6	TP-08 2	TP-101 0-1/1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	4	4	3	3	04/18/08	3	3	04/18/08	04/18/08	04/18/08	6/15/2010
		S-1/GW-2	S-1/GW-3								04/18/08	04/18/08 Field Dup	04/18/08	04/18/08 Field Dup		04/18/08	04/18/08 Field Dup				
VOCs (mg/kg)	Acetone	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16 U	18 U	0.10 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Bromodichloromethane	0.1	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Bromoform	1	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0021 U
	Bromomethane	0.5	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.8 U	0.010 U
	2-Butanone (MEK)	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.3 U	6.9 U	0.042 U
	n-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	sec-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	tert-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	Carbon Disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.95 U	1.1 U	0.0063 U
	Carbon Tetrachloride	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Chlorobenzene	3	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Chlorodibromomethane	0.03	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	Chloroform	0.3	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0042 U
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.8 U	0.010 U
	2-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	4-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,2-Dibromoethane (EDB)	0.1	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,2-Dichlorobenzene	30	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,3-Dichlorobenzene	40	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,4-Dichlorobenzene	4	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	1,1-Dichloroethane	5	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,2-Dichloroethane	0.1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,1-Dichloroethylene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0042 U
	cis-1,2-Dichloroethylene	0.4	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	trans-1,2-Dichloroethylene	1	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,2-Dichloropropane	0.1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	cis-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	trans-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0021 U
	Diethyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	Diisopropyl Ether (DIPE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	1,4-Dioxane	6	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16 U	18 U	0.10 U
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Hexachlorobutadiene	6	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	2-Hexanone (MBK)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	Isopropylbenzene (Cumene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	p-Isopropyltoluene (p-Cymene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Methyl tert-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0042 U
	Methylene Chloride	20	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	4-Methyl-2-pentanone (MIBK)	50	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2 U	3.5 U	0.021 U
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0042 U
	n-Propylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Styrene	4	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,1,1,2-Tetrachloroethane	0.1	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	1,1,2,2-Tetrachloroethane	0.02	0.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 U	0.18 U	0.0010 U
	Tetrachloroethylene	10	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.8 U	0.010 U

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010

29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	TP-01		TP-03		TP-04	TP-05		TP-06	TP-07	TP-08	TP-101	
		Sample Depth (ft.):*		0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	4	4	3	3	7	3	3	2	6	2	0-1/1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	04/18/08	6/15/2010
		S-1/GW-2	S-1/GW-3									Field Dup		Field Dup			Field Dup					
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,2,4-Trichlorobenzene	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,1,1-Trichloroethane	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,1,2-Trichloroethane	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	Trichloroethylene	2	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.8 U	0.010 U	
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,2,4-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	1,3,5-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	Vinyl Chloride	0.6	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.6 U	1.8 U	0.010 U	
	m+p Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.63 U	0.69 U	0.0042 U	
	o-Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.32 U	0.35 U	0.0021 U	
	VPH (mg/kg)	C5-C8 Aliphatics	100	100	NA	NA	NA	NA	NA	NA	NA	23.6 U	NA	22.5 U	25.2 U	20.9 U	44.2 U	NA	32.3 U	NA	NA	NA
C9-C12 Aliphatics		1,000	1,000	NA	NA	NA	NA	NA	NA	NA	15.8 U	NA	15.0 U	16.8 U	13.9 U	29.5 U	NA	21.6 U	NA	NA	NA	
C9-C10 Aromatics		100	100	NA	NA	NA	NA	NA	NA	NA	15.8 U	NA	15.0 U	16.8 U	13.9 U	29.5 U	NA	21.6 U	NA	NA	NA	
Benzene		30	30	NA	NA	NA	NA	NA	NA	NA	0.079 U	NA	0.075 U	0.084 U	0.070 U	0.148 U	NA	0.108 U	NA	NA	NA	
Ethylbenzene		500	500	NA	NA	NA	NA	NA	NA	NA	0.079 U	NA	0.075 U	0.084 U	0.070 U	0.148 U	NA	0.108 U	NA	NA	NA	
Methyl T-Butyl Ether (MTBE)		100	100	NA	NA	NA	NA	NA	NA	NA	0.079 U	NA	0.075 U	0.084 U	0.070 U	0.148 U	NA	0.108 U	NA	NA	NA	
Naphthalene		40	500	NA	NA	NA	NA	NA	NA	NA	0.787 U	NA	0.749 U	0.838 U	0.694 U	1.48 U	NA	1.08 U	NA	NA	NA	
Toluene		500	500	NA	NA	NA	NA	NA	NA	NA	0.079 U	NA	0.075 U	0.084 U	0.070 U	0.168	NA	0.108 U	NA	NA	NA	
Xylenes, m/p-		300	500	NA	NA	NA	NA	NA	NA	NA	0.158 U	NA	0.150 U	0.168 U	0.139 U	0.295 U	NA	0.216 U	NA	NA	NA	
Xylene, o-		300	500	NA	NA	NA	NA	NA	NA	NA	0.079 U	NA	0.075 U	0.084 U	0.070 U	0.148 U	NA	0.108 U	NA	NA	NA	
EPH (mg/kg)	C9-C18 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	37.3 U	NA	37.3 U	38.7 U	34.6 U	46.0 U	NA	46.5 U	NA	NA	NA	
	C19-C36 Aliphatics	3,000	3,000	NA	NA	NA	NA	NA	NA	NA	37.3 U	NA	37.3 U	38.7 U	34.6 U	107	NA	102	NA	NA	NA	
	C11-C22 Aromatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	37.3 U	NA	37.3 U	38.7 U	34.6 U	977	NA	243	NA	NA	NA	
	Acenaphthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.5	NA	0.9	NA	NA	NA	
	Acenaphthylene	600	10	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	0.3	NA	NA	NA	
	Anthracene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	1.4	NA	1.7	NA	NA	NA	
	Benzo(a)anthracene	7	7	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	3.1	NA	3.8	NA	NA	NA	
	Benzo(a)pyrene	2	2	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	3.7	NA	NA	NA	
	Benzo(b)fluoranthene	7	7	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	4.9	NA	NA	NA	
	Benzo(g,h,i)perylene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	1.8	NA	NA	NA	
	Benzo(k)fluoranthene	70	70	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	1.7	NA	NA	NA	
	Chrysene	70	70	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	4.1	NA	5.0	NA	NA	NA	
	Dibenzo(a,h)anthracene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	0.5	NA	NA	NA	
	Fluoranthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	10.0	NA	10.8	NA	NA	NA	
	Fluorene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.8	NA	1.3	NA	NA	NA	
	Indeno(1,2,3-cd)pyrene	7	7	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.2 U	NA	1.9	NA	NA	NA	
	Methylnaphthalene, 2-	80	300	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.3	NA	0.6	NA	NA	NA	
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	0.5	NA	1.5	NA	NA	NA	
	Phenanthrene	500	500	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	8.2	NA	12.8	NA	NA	NA	
	Pyrene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	0.2 U	NA	0.2 U	0.2 U	0.2 U	9.8	NA	12.8	NA	NA	NA	
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.40	0.68	0.26 U	0.21 U	0.22 U	0.21 U	
	Acenaphthylene	600	10	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.26 U	0.26 U	0.26 U	0.21 U	0.22 U	1.1	
	Acetophenone	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Aniline	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Anthracene	1,000	1,000	0.94 U	0.19 U	1.0 U	0.55	1.5	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.77	1.44	0.43	0.21 U	0.22 U	0.71	
	Benzo(a)anthracene	7	7	3.9	0.19 U	1.0 U	1.6	5.3	0.21	0.27	0.21 U	NA	0.22 U	NA	0.20 U	2.48	4.45	1.51	0.21 U	0.22 U	4.4	
	Benzo(a)pyrene	2	2	2.9	0.19 U	1.0 U	1.5	4.8	0.25	0.32	0.21 U	NA	0.22 U	NA	0.20 U	2.33	3.80	1.31	0.21 U	0.22 U	4.3	
	Benzo(b)fluoranthene	7	7	3.8	0.19 U	1.0 U	1.7	5.8	0.39	0.40	0.21 U	NA	0.22 U	NA	0.20 U	3.90	4.28	1.79	0.21 U	0.22 U	6.1	
	Benzo(g,h,i)perylene	1,000	1,000	1.2	0.19 U	1.0 U	1.0	2.6	0.21 U	0.22	0.21 U	NA	0.22 U	NA	0.20 U	1.60	2.43	0.				

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		SS-30 0-1	SS-31 0-1	SS-32 0-1	SS-33 0-1	SS-34 0-1	SS-35 0-1	SS-36 0-1	TP-01		TP-03		TP-04 7	TP-05		TP-06 2	TP-07 6	TP-08 2	TP-101 0-1/1	
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	4	4	3	3	04/18/08	3	3	04/18/08	04/18/08	04/18/08	6/15/2010
		S-1/GW-2	S-1/GW-3									04/18/08	04/18/08 Field Dup	04/18/08	04/18/08 Field Dup	04/18/08	04/18/08	04/18/08 Field Dup	04/18/08	04/18/08	04/18/08	
	Bis(2-Ethylhexyl)phthalate	200	200	2.0	6.0	69	1.8	6.7	330	67	0.42 U	NA	0.43 U	NA	0.39 U	66.6	78.4	0.57	0.41 U	0.44 U	1.1	
	4-Bromophenylphenylether	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Butylbenzylphthalate	NS	NS	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.01 U	1.03 U	0.82 U	0.88 U	0.81 U	
	4-Chloroaniline	100	3	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.01 U	1.03 U	0.82 U	0.88 U	0.81 U	
	2-Chloronaphthalene	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	2-Chlorophenol	100	100	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Chrysene	70	70	3.8	0.19 U	1.0 U	1.7	5.8	0.27	0.35	0.21 U	NA	0.22 U	NA	0.20 U	2.62	4.70	1.56	0.21 U	0.22 U	4.6	
	Dibenz(a,h)anthracene	0.7	0.7	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.56	0.81	0.26 U	0.21 U	0.22 U	0.83	
	Dibenzofuran	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.53	0.52 U	0.41 U	0.44 U	0.42 U	
	1,2-Dichlorobenzene	30	300	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	1,3-Dichlorobenzene	40	100	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	1,4-Dichlorobenzene	4	50	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	3,3-Dichlorobenzidine	1	1	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.26 U	0.26 U	0.26 U	0.21 U	0.22 U	0.21 U	
	2,4-Dichlorophenol	60	40	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Diethylphthalate	200	300	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	2,4-Dimethylphenol	100	500	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Dimethylphthalate	50	600	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.01 U	1.03 U	0.82 U	0.88 U	0.81 U	
	Di-n-butylphthalate	NS	NS	1.9 U	0.51	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	1.96	2.97	1.39	0.41 U	0.44 U	0.44	
	2,4-Dinitrophenol	50	50	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.01 U	1.03 U	0.82 U	0.88 U	0.81 U	
	2,4-Dinitrotoluene	2	2	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	2,6-Dinitrotoluene	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Di-n-octylphthalate	NS	NS	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	4.0	1.3	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.04	1.03 U	0.82 U	0.88 U	0.81 U	
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Fluoranthene	1,000	1,000	5.7	0.19 U	1.0 U	3.0	9.6	0.34	0.44	0.21 U	NA	0.22 U	NA	0.20 U	5.84	6.99	3.46	0.21 U	0.22 U	4.5	
	Fluorene	1,000	1,000	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.38	0.61	0.26 U	0.21 U	0.22 U	0.21 U	
	Hexachlorobenzene	0.7	0.7	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Hexachlorobutadiene	6	6	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Hexachloroethane	3	9	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Indeno(1,2,3-cd)pyrene	7	7	1.5	0.19 U	1.0 U	1.1	3.0	0.21 U	0.23	0.21 U	NA	0.22 U	NA	0.20 U	2.07	3.18	0.87	0.21 U	0.22 U	2.6	
	Isophorone	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	2-Methylnaphthalene	80	300	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.26 U	0.26 U	0.26 U	0.21 U	0.22 U	0.21 U	
	2-Methylphenol	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	3/4-Methylphenol	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Naphthalene	40	500	0.94 U	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	NA	0.22 U	NA	0.20 U	0.49	0.64	0.26 U	0.21 U	0.22 U	0.21 U	
	Nitrobenzene	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	2-Nitrophenol	NS	NS	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	4-Nitrophenol	NS	NS	3.6 U	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.83 U	NA	0.86 U	NA	0.77 U	1.03 U	1.01 U	1.03 U	0.82 U	0.88 U	0.81 U	
	Pentachlorophenol	10	10	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U	
	Phenanthrene	500	500	2.4	0.19 U	1.0 U	2.9	8.6	0.21 U	0.31	0.21 U	NA	0.22 U	NA	0.20 U	3.91	5.88	2.05	0.21 U	0.22 U	1.4	
	Phenol	50	20	1.9 U	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	NA	0.43 U	NA	0.39 U	0.52 U	0.51 U	0.52 U	0.41 U	0.44 U	0.42 U</	

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	TP-01		TP-03		TP-04	TP-05		TP-06	TP-07	TP-08	TP-101	
		Sample Depth (ft.):*		0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	4	4	3	3	7	3	3	2	6	2	0-1/1
		Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	04/18/08	04/18/08 Field Dup	04/18/08	04/18/08 Field Dup	04/18/08	04/18/08	04/18/08 Field Dup	04/18/08	04/18/08	04/18/08	6/15/2010
		S-1/GW-2	S-1/GW-3																			
	delta-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.030 U	
	gamma-BHC (Lindane)	0.7	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.018 U	
	Chlordane	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U	
	4,4'-DDD	4	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.062	
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16	
	Dieldrin	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	Endosulfan I	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.030 U	
	Endosulfan II	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	Endosulfan Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	Endrin	8	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	Endrin Ketone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.048 U	
	Heptachlor	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.030 U	
	Heptachlor Epoxide	0.09	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.030 U	
	Hexachlorobenzene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.030 U	
Methoxychlor	200	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 U	
Metals, total																						
(mg/kg)	Antimony	20	20	2.8 U	2.7 U	3.0 U	2.6 U	2.7 U	3.0 U	3.2	4.97 U	NA	5.13 U	NA	4.61 U	52.1	6.04 U	163	NA	NA	3.1 U	
	Arsenic	20	20	8.7	4.6	6.7	15	14	14	16	3.26	NA	3.21 U	NA	2.88 U	8.20	7.89	51.0	NA	NA	11	
	Barium	1,000	1,000	78	35	660	470	1,400	500	6,800	16.0	NA	12.1	NA	11.8	2,190	2,980	13,500	NA	NA	160	
	Beryllium	100	100	2.1	1.2	1.9	1.8	1.9	3.2	3.5	0.32 U	NA	0.33 U	NA	0.29 U	0.39 U	0.38 U	0.39 U	NA	NA	1.9	
	Cadmium	2	2	0.40	0.27 U	2.0	0.57	1.4	4.3	4.1	0.32 U	NA	0.33 U	NA	0.29 U	13.9	14.3	24.4	NA	NA	2.6	
	Chromium (total)	1,000**	1,000**	17	9.0	18	26	57	30	150	12.0	NA	7.58	NA	6.39	82.9	103	703	NA	NA	18	
	Chromium (VI)	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Lead	300	300	57	8.7	82	97	180	65	140	2.76	NA	2.50	NA	2.13	557	651	1,530	NA	NA	180	
	Mercury	20	20	0.057	0.012 U	0.041	0.58	0.072	0.074	0.039	0.013 U	NA	0.015 U	NA	0.012 U	0.542	0.420	0.274	NA	NA	0.48	
	Nickel	20	20	10	4.4	6.8	10	11	11	21	8.42	NA	6.04	NA	5.23	16.4	15.7	50.0	NA	NA	9.7	
	Selenium	400	400	5.6 U	5.4 U	5.9 U	5.2 U	5.5 U	6.1 U	5.6 U	6.22 U	NA	6.41 U	NA	5.76 U	7.66 U	7.55 U	7.74 U	NA	NA	6.2 U	
	Silver	100	100	0.56 U	0.54 U	0.61	0.52 U	0.55 U	0.61 U	0.56 U	0.63 U	NA	0.65 U	NA	0.58 U	2.10	1.54	3.92	NA	NA	0.62 U	
	Thallium	8	8	2.8 U	2.7 U	3.0 U	2.6 U	2.7 U	3.0 U	2.8 U	3.73 U	NA	3.85 U	NA	3.46 U	4.60 U	4.53 U	4.65 U	NA	NA	3.1 U	
	Vanadium	600	600	18	7.4	12	13	12	22	21	11.6	NA	8.26	NA	7.23	17.5	19.0	29.0	NA	NA	15	
	Zinc	2,500	2,500	92	24	120	120	620	570	3,700	20.8	NA	11.9	NA	20.3	1,060	1,060	6,840	NA	NA	3,200	
Oxidation/Reduction Potential																						
(mV)	Oxidation/Reduction Potential	N/A	N/A	130	100	100	110	110	95	120	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
pH																						
(s.u.)	pH	N/A	N/A	5.8	5.0	6.2	5.5	6.0	6.0	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - millivolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 S-1 standards.

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.

* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.

** - Cr (III) standards used for comparison to total chromium results, based on hexavalent chromium and pH/ORP results.

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010

29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:				TP-103	TP-104	TP-105	TP-107		TP-108		TP-109		TP-110	TP-111	TP-112	TP-113	TP-114	TP-115																										
		Sample Depth (ft.):*		0-2/0.5	0-2/0.5				0-1/0.5	0-2/2	0-1/0.5	0-2/2	3-4/4	0-3/2						4-5/4	0-3/2	5-6/6	1-2	2-3	1-1.5	1-3	2-3	1-4	1-4																	
		Sample Date:																												6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010
		S-1/GW-2	S-1/GW-3																																											
VOCs (mg/kg)	Acetone	50	400	0.079 U	0.078 U	0.12 U	0.13 U	0.11 U	0.074 U	0.099 U	0.13 U	0.099 U	0.075 U	0.079 U	NA	NA	NA	NA	NA	NA	NA																									
	tert-Amyl Methyl Ether (TAME)	NS	NS	0.00079 U	0.00078 U	0.0012 U	0.0013 U	0.0011 U	0.00074 U	0.00099 U	0.0013 U	0.00099 U	0.00075 U	0.00079 U	NA	NA	NA	NA	NA	NA	NA																									
	Benzene	30	30	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Bromobenzene	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Bromochloromethane	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Bromodichloromethane	0.1	20	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Bromoform	1	200	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Bromomethane	0.5	30	0.0079 U	0.0078 U	0.012 U	0.013 U	0.011 U	0.0074 U	0.0099 U	0.013 U	0.0099 U	0.0075 U	0.0079 U	NA	NA	NA	NA	NA	NA	NA																									
	2-Butanone (MEK)	50	400	0.031 U	0.031 U	0.049 U	0.053 U	0.043 U	0.030 U	0.040 U	0.052 U	0.039 U	0.030 U	0.031 U	NA	NA	NA	NA	NA	NA	NA																									
	n-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	sec-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	tert-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	0.00079 U	0.00078 U	0.0012 U	0.0013 U	0.0011 U	0.00074 U	0.00099 U	0.0013 U	0.00099 U	0.00075 U	0.00079 U	NA	NA	NA	NA	NA	NA	NA																									
	Carbon Disulfide	NS	NS	0.0047 U	0.0047 U	0.0073 U	0.0079 U	0.0065 U	0.0044 U	0.0060 U	0.0078 U	0.0059 U	0.0045 U	0.0047 U	NA	NA	NA	NA	NA	NA	NA																									
	Carbon Tetrachloride	5	10	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Chlorobenzene	3	100	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Chlorodibromomethane	0.03	20	0.00079 U	0.00078 U	0.0012 U	0.0013 U	0.0011 U	0.00074 U	0.00099 U	0.0013 U	0.00099 U	0.00075 U	0.00079 U	NA	NA	NA	NA	NA	NA	NA																									
	Chloroethane	NS	NS	0.016 U	0.016 U	0.024 U	0.026 U	0.022 U	0.015 U	0.020 U	0.026 U	0.020 U	0.015 U	0.016 U	NA	NA	NA	NA	NA	NA	NA																									
	Chloroform	0.3	400	0.0031 U	0.0031 U	0.0049 U	0.0053 U	0.0043 U	0.0030 U	0.0040 U	0.0052 U	0.0039 U	0.0030 U	0.0031 U	NA	NA	NA	NA	NA	NA	NA																									
	Chloromethane	NS	NS	0.0079 U	0.0078 U	0.012 U	0.013 U	0.011 U	0.0074 U	0.0099 U	0.013 U	0.0099 U	0.0075 U	0.0079 U	NA	NA	NA	NA	NA	NA	NA																									
	2-Chlorotoluene	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	4-Chlorotoluene	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,2-Dibromoethane (EDB)	0.1	0.7	0.00079 U	0.00078 U	0.0012 U	0.0013 U	0.0011 U	0.00074 U	0.00099 U	0.0013 U	0.00099 U	0.00075 U	0.00079 U	NA	NA	NA	NA	NA	NA	NA																									
	Dibromomethane	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,2-Dichlorobenzene	30	300	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,3-Dichlorobenzene	40	100	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,4-Dichlorobenzene	4	50	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	Dichlorodifluoromethane (Freon 12)	NS	NS	0.016 U	0.016 U	0.024 U	0.026 U	0.022 U	0.015 U	0.020 U	0.026 U	0.020 U	0.015 U	0.016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,1-Dichloroethane	5	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,2-Dichloroethane	0.1	10	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,1-Dichloroethylene	40	500	0.0031 U	0.0031 U	0.0049 U	0.0053 U	0.0043 U	0.0030 U	0.0040 U	0.0052 U	0.0039 U	0.0030 U	0.0031 U	NA	NA	NA	NA	NA	NA	NA																									
	cis-1,2-Dichloroethylene	0.4	100	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	trans-1,2-Dichloroethylene	1	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,2-Dichloropropane	0.1	10	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA																									
	1,3-Dichloropropane	NS	NS	0.00079 U	0.00078 U	0.0012 U	0.0013 U	0.0011 U	0.00074 U																																					

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:				TP-103 0-1/0.5 6/15/2010	TP-104 0-2/2 6/15/2010	TP-105 0-1/0.5 6/15/2010	TP-107		TP-108		TP-109		TP-110 1-2 6/16/2010	TP-111 2-3 6/16/2010	TP-112 1-1.5 6/16/2010	TP-113 1-3 6/16/2010	TP-114 2-3 6/16/2010	TP-115		
		Sample Depth (ft.):*		0-2/0.5 6/15/2010	0-2/0.5 6/15/2010 Field Dup				0-2/2 6/15/2010	3-4/4 6/15/2010	0-3/2 6/15/2010	4-5/4 6/15/2010	0-3/2 6/15/2010	5-6/6 6/15/2010						1-4 6/16/2010	1-4 6/16/2010 Field Dup	
		Sample Date:																				
		S-1/GW-2	S-1/GW-3																			
	Toluene	500	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichlorobenzene	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trichlorobenzene	70	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,1,1-Trichloroethane	500	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,1,2-Trichloroethane	2	4	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	Trichloroethylene	2	90	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	Trichlorofluoromethane (Freon 11)	NS	NS	0.0079 U	0.0078 U	0.012 U	0.013 U	0.011 U	0.0074 U	0.0099 U	0.013 U	0.0099 U	0.0075 U	0.0079 U	NA	NA	NA	NA	NA	NA	NA	
	1,2,3-Trichloropropane	NS	NS	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,2,4-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	1,3,5-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
	Vinyl Chloride	0.6	0.6	0.0079 U	0.0078 U	0.012 U	0.013 U	0.011 U	0.0074 U	0.0099 U	0.013 U	0.0099 U	0.0075 U	0.0079 U	NA	NA	NA	NA	NA	NA	NA	
	m+p Xylene	300	500	0.0031 U	0.0031 U	0.0049 U	0.0053 U	0.0043 U	0.0030 U	0.0040 U	0.0052 U	0.0039 U	0.0030 U	0.0031 U	NA	NA	NA	NA	NA	NA	NA	
	o-Xylene	300	500	0.0016 U	0.0016 U	0.0024 U	0.0026 U	0.0022 U	0.0015 U	0.0020 U	0.0026 U	0.0020 U	0.0015 U	0.0016 U	NA	NA	NA	NA	NA	NA	NA	
VPH (mg/kg)	C5-C8 Aliphatics	100	100	NA	NA	NA	NA	NA	15 U	15 U	13 U	11 U	21 U	15 U	NA	NA	NA	NA	NA	NA	NA	
	C9-C12 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	15 U	15 U	13 U	11 U	21 U	15 U	NA	NA	NA	NA	NA	NA	NA	
	C9-C10 Aromatics	100	100	NA	NA	NA	NA	NA	15 U	15 U	13 U	11 U	21 U	15 U	NA	NA	NA	NA	NA	NA	NA	
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Methyl T-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Xylenes, m/p-	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Xylene, o-	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
EPH (mg/kg)	C9-C18 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	22 U	13 U	25 U	12 U	27 U	12 U	23 U	25 U	23 U	61 U	13 U	13 U	26 U	
	C19-C36 Aliphatics	3,000	3,000	NA	NA	NA	NA	NA	24	13 U	30	12 U	27 U	12 U	78	63	32	180	45	13 U	37	
	C11-C22 Aromatics	1,000	1,000	NA	NA	NA	NA	NA	140	13 U	69	12 U	36	12 U	470	180	120	2,400	150	26	180	
	Acenaphthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Acenaphthylene	600	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Anthracene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)anthracene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(a)pyrene	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(b)fluoranthene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(g,h,i)perylene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Benzo(k)fluoranthene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Chrysene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Dibenzo(a,h)anthracene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluoranthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Fluorene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Indeno(1,2,3-cd)pyrene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Methylnaphthalene, 2-	80	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Phenanthrene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Pyrene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.28	0.36	0.22 U	4.4	0.18 U	0.18 U	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.24	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.24
		Acenaphthylene	600	10	0.23	0.22	0.22 U	0.22 U	0.18 U	0.25	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.20 U	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.23 U
Acetophenone		NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U	
Aniline		NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U	
Anthracene		1,000	1,000	1.0	1.0	0.64	8.2	0.43	0.57	0.22 U	0.34	0.21 U	0.23 U	0.21 U	0.55	0.25	0.49	2.1 U	0.22 U	0.22 U	0.46	
Benzo(a)anthracene		7	7	3.6	3.6	2.3	22	1.8	2.9	0.22 U	1.1	0.21 U	0.54	0.21 U	1.8	0.97	1.8	4.1	0.38	0.31	0.91	
Benzo(a)pyrene		2	2	3.3	3.1	2.0	17	1.8	2.4	0.22 U	1.0	0.21 U	0.54	0.21 U	1.6	0.88	1.6	3.4	0.38	0.29	0.73	
Benzo(b)fluoranthene		7	7																			

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		TP-102		TP-103	TP-104	TP-105	TP-107		TP-108		TP-109		TP-110	TP-111	TP-112	TP-113	TP-114	TP-115	
		Sample Depth (ft.):*		0-2/0.5	0-2/0.5	0-1/0.5	0-2/2	0-1/0.5	0-2/2	3-4/4	0-3/2	4-5/4	0-3/2	5-6/6	1-2	2-3	1-1.5	1-3	2-3	1-4	1-4
		Sample Date:		6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/15/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010	6/16/2010
		S-1/GW-2	S-1/GW-3		Field Dup															Field Dup	
	Bis(2-Ethylhexyl)phthalate	200	200	2.1	2.2	3.5	5.2	4.2	4.0	0.75	1.0	0.42 U	4.4	0.42 U	190	66	28	1,300	260	0.99	0.58
	4-Bromophenylphenylether	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Butylbenzylphthalate	NS	NS	0.72 U	0.71 U	16	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	4-Chloroaniline	100	3	0.72 U	0.71 U	0.83 U	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	2-Chloronaphthalene	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2-Chlorophenol	100	100	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Chrysene	70	70	3.7	3.5	2.3	19	1.8	2.6	0.22 U	1.1	0.21 U	0.48	0.21 U	1.9	1.0	2.1	4.1	0.47	0.42	0.95
	Dibenz(a,h)anthracene	0.7	0.7	0.41	0.45	0.33	2.0	0.23	0.38	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.23	0.21 U	0.23	2.1 U	0.22 U	0.22 U	0.23 U
	Dibenzofuran	NS	NS	0.37 U	0.40	0.43 U	4.1	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	1,2-Dichlorobenzene	30	300	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	1,3-Dichlorobenzene	40	100	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	1,4-Dichlorobenzene	4	50	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	3,3-Dichlorobenzidine	1	1	0.19 U	0.18 U	0.22 U	0.22 U	0.18 U	0.18 U	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.20 U	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.23 U
	2,4-Dichlorophenol	60	40	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Diethylphthalate	200	300	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2,4-Dimethylphenol	100	500	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Dimethylphthalate	50	600	0.72 U	0.71 U	0.83 U	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	Di-n-butylphthalate	NS	NS	0.52	0.52	0.61	14	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	1.9	0.71	2.8	20	1.5	0.44 U	0.45 U
	2,4-Dinitrophenol	50	50	0.72 U	0.71 U	0.83 U	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	2,4-Dinitrotoluene	2	2	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2,6-Dinitrotoluene	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Di-n-octylphthalate	NS	NS	0.72 U	0.71 U	0.83 U	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Fluoranthene	1,000	1,000	6.8	5.5	3.1	33	3.5	3.6	0.22 U	1.8	0.21 U	1.1	0.21 U	3.1	1.8	3.5	7.4	0.62	0.58	1.9
	Fluorene	1,000	1,000	0.30	0.36	0.22 U	4.2	0.18 U	0.20	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.25	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.23 U
	Hexachlorobenzene	0.7	0.7	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Hexachlorobutadiene	6	6	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Hexachloroethane	3	9	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Indeno(1,2,3-cd)pyrene	7	7	1.7	1.8	1.2	12	0.84	1.4	0.22 U	0.46	0.21 U	0.33	0.21 U	0.92	0.61	1.0	2.1 U	0.22 U	0.22 U	0.62
	Isophorone	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2-Methylnaphthalene	80	300	0.19 U	0.18 U	0.22 U	1.5	0.18 U	0.18 U	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.20 U	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.23 U
	2-Methylphenol	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	3/4-Methylphenol	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Naphthalene	40	500	0.23	0.35	0.22 U	3.7	0.18 U	0.18 U	0.22 U	0.21 U	0.21 U	0.23 U	0.21 U	0.22	0.21 U	0.19 U	2.1 U	0.22 U	0.22 U	0.23 U
	Nitrobenzene	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2-Nitrophenol	NS	NS	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	4-Nitrophenol	NS	NS	0.72 U	0.71 U	0.83 U	0.86 U	0.72 U	0.71 U	0.84 U	0.82 U	0.82 U	0.88 U	0.81 U	0.77 U	0.83 U	0.75 U	8.0 U	0.84 U	0.86 U	0.88 U
	Pentachlorophenol	10	10	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Phenanthrene	500	500	5.4	3.8	3.3	43	1.8	2.2	0.22 U	1.6	0.21 U	0.34	0.21 U	2.9	1.4	2.7	4.9	0.64	0.64	2.1
	Phenol	50	20	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	Pyrene	1,000	1,000	7.8	5.7	3.6	36	2.4	3.4	0.22 U	1.4	0.21 U	0.84	0.21 U	2.6	1.6	3.6	4.8	0.54	0.52	1.9
	1,2,4-Trichlorobenzene	70	500	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2,4,5-Trichlorophenol	1,000	600	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
	2,4,6-Trichlorophenol	20	20	0.37 U	0.36 U	0.43 U	0.44 U	0.37 U	0.37 U	0.43 U	0.42 U	0.42 U	0.45 U	0.42 U	0.39 U	0.43 U	0.39 U	4.1 U	0.43 U	0.44 U	0.45 U
PCBs																					
(mg/kg)	Aroclor-1016	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	2	0.11 U	0.11 U	0.77	0.13 U	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1262	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1268	2	2	0.11 U	0.11 U	0.51 U	0.13 U	0.44 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	0.11 U	0.11 U	0.77	0.13 U	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																					
(mg/kg)	Aldrin	0.04	0.04	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	0.027 U	0.026 U	0.032 U	0.0														

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.):*		TP-102		TP-103 0-1/0.5 6/15/2010	TP-104 0-2/2 6/15/2010	TP-105 0-1/0.5 6/15/2010	TP-107		TP-108		TP-109		TP-110 1-2 6/16/2010	TP-111 2-3 6/16/2010	TP-112 1-1.5 6/16/2010	TP-113 1-3 6/16/2010	TP-114 2-3 6/16/2010	TP-115	
				0-2/0.5 6/15/2010	0-2/0.5 6/15/2010				0-2/2 6/15/2010	3-4/4 6/15/2010	0-3/2 6/15/2010	4-5/4 6/15/2010	0-3/2 6/15/2010	5-6/6 6/15/2010						1-4 6/16/2010	1-4 6/16/2010
		S-1/GW-2	S-1/GW-3	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup	Field Dup
	delta-BHC	NS	NS	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC (Lindane)	0.7	0.5	0.016 U	0.016 U	0.019 U	0.020 U	0.016 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	0.7	0.7	0.11 U	0.11 U	0.13 U	0.13 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	0.032	0.034	0.033	0.033	0.029	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	0.095	0.11	0.065	0.12	0.094	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	0.05	0.05	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	200	1	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	200	1	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan Sulfate	NS	NS	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	0.044 U	0.042 U	0.051 U	0.052 U	0.044 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor Epoxide	0.09	0.09	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	0.027 U	0.026 U	0.032 U	0.033 U	0.027 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	0.27 U	0.26 U	0.32 U	0.33 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total (mg/kg)																					
	Antimony	20	20	2.7 U	2.7 U	3.2 U	3.2 U	2.7 U	2.7 U	3.2 U	3.1 U	3.1 U	3.3 U	3.1 U	2.9 U	3.1 U	2.8 U	3.0 U	24	28	22
	Arsenic	20	20	17	13	10	11	8.7	6.0	3.2 U	18	7.8	5.6	3.1 U	18	15	23	12	25	55	30
	Barium	1,000	1,000	240	320	1,000	80	120	47	30	1,800	36	41	17	690	530	5,200	1,900	1,800	9,600	6,200
	Beryllium	100	100	2.2	2.3	3.1	2.4	2.2	1.9	2.4	2.8	3.1	2.1	2.2	0.29 U	0.31 U	0.28 U	0.30 U	0.32 U	1.4	0.64
	Cadmium	2	2	0.88	0.87	1.9	0.62	0.55	1.6	0.49	6.0	0.31 U	0.33 U	0.31 U	5.2	3.2	5.6	10	4.8	4.8	3.4
	Chromium (total)	1,000**	1,000**	25	46	51	17	15	8.9	11	110	12	11	9.6	120	140	220	85	190	520	490
	Chromium (VI)	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	310	230	180	160	58	39	6.3	280	4.2	25	3.4	240	260	490	440	750	1,100	920
	Mercury	20	20	0.20	0.20	0.095	0.096	0.056	0.14	0.026 U	0.068	0.027 U	0.037	0.015 U	0.28	0.38	0.71	0.13	0.25	0.61	0.50
	Nickel	20	20	14	14	15	6.2	9.9	5.2	5.6	14	9.6	5.7	6.0	15	11	14	13	30	37	26
	Selenium	400	400	5.5 U	5.4 U	6.3 U	6.4 U	5.5 U	5.4 U	6.3 U	6.2 U	6.2 U	6.7 U	6.2 U	5.8 U	6.3 U	5.6 U	6.1 U	6.4 U	6.5 U	6.7 U
	Silver	100	100	0.55 U	0.54 U	0.63 U	0.64 U	0.55 U	0.54 U	0.63 U	0.80	0.62 U	0.67 U	0.62 U	2.3	11	2.9	0.61 U	0.64 U	0.65 U	0.67 U
	Thallium	8	8	2.7 U	2.7 U	3.2 U	3.2 U	2.7 U	2.7 U	3.2 U	3.1 U	3.1 U	3.3 U	3.1 U	2.9 U	3.1 U	2.8 U	3.0 U	3.2 U	3.3 U	3.3 U
	Vanadium	600	600	16	18	23	16	18	9.4	11	16	16	12	10	23	17	23	16	25	45	31
Zinc	2,500	2,500	160	160	200	100	60	74	27	1,000	26	25	16	270	310	610	400	1,200	2,400	1,800	
Oxidation/Reduction Potential (mV)																					
	Oxidation/Reduction Potential	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)																					
	pH	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - milliVolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold** and shaded type exceed one or more of the listed MassDEP Method 1 S-1 standards.

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.

* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.

** - Cr (III) standards used for comparison to total chromium results, based on hexavalent chromium and pH/ORP results.

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:		TP-116 1-2 6/16/2010	TP-117		TP-118 3-4 6/16/2010	TP-119 4-5 6/16/2010	TP-120 1-3 6/16/2010	TP-121 1-3 6/16/2010	TP 201 North 2-2.5 12/8/2010	TP 201 South 3-3.5 12/7/2010	TP 202 2-3/2.5 12/8/2010	TP 203 2.5-3 12/8/2010	TP 204 1.5-2 12/8/2010
					3-4 6/16/2010	5-6 6/16/2010									
		S-1/GW-2	S-1/GW-3												
VOCs (mg/kg)	Acetone	50	400	NA	NA	NA	NA	NA	NA	NA	0.062 U	0.065 U	0.070 U	0.041 U	0.063 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.00062 U	0.00065 U	0.00070 U	0.00041 U	0.00063 U
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Bromodichloromethane	0.1	20	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Bromoform	1	200	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Bromomethane	0.5	30	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	2-Butanone (MEK)	50	400	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.026 U	0.028 U	0.016 U	0.025 U
	n-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	sec-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	tert-Butylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Carbon Disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0037 U	0.0039 U	0.0042 U	0.0024 U	0.0038 U
	Carbon Tetrachloride	5	10	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	Chlorobenzene	3	100	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Chlorodibromomethane	0.03	20	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	Chloroform	0.3	400	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	2-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	4-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2-Dibromoethane (EDB)	0.1	0.7	NA	NA	NA	NA	NA	NA	NA	0.00062 U	0.00065 U	0.00070 U	0.00041 U	0.00063 U
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2-Dichlorobenzene	30	300	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,3-Dichlorobenzene	40	100	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,4-Dichlorobenzene	4	50	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	1,1-Dichloroethane	5	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2-Dichloroethane	0.1	10	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,1-Dichloroethylene	40	500	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	cis-1,2-Dichloroethylene	0.4	100	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	trans-1,2-Dichloroethylene	1	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2-Dichloropropane	0.1	10	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.00062 U	0.00065 U	0.00070 U	0.00041 U	0.00063 U
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	cis-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	trans-1,3-Dichloropropene	0.4 ⁽²⁾	9 ⁽²⁾	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	Diethyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	Diisopropyl Ether (DIPE)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,4-Dioxane	6	70	NA	NA	NA	NA	NA	NA	NA	0.12 U	0.13 U	0.14 U	0.081 U	0.13 U
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Hexachlorobutadiene	6	6	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	2-Hexanone (MBK)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.013 U	0.014 U	0.0081 U	0.013 U
	Isopropylbenzene (Cumene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	p-Isopropyltoluene (p-Cymene)	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Methyl tert-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	Methylene Chloride	20	200	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	4-Methyl-2-pentanone (MIBK)	50	400	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.013 U	0.014 U	0.0081 U	0.013 U
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	n-Propylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Styrene	4	30	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,1,1,2-Tetrachloroethane	0.1	7	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,1,2,2-Tetrachloroethane	0.02	0.8	NA	NA	NA	NA	NA	NA	NA	0.00062 U	0.00065 U	0.00070 U	0.00041 U	0.00063 U
	Tetrachloroethylene	10	30	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:		TP-116 1-2 6/16/2010	TP-117		TP-118 3-4 6/16/2010	TP-119 4-5 6/16/2010	TP-120 1-3 6/16/2010	TP-121 1-3 6/16/2010	TP 201 North 2-2.5 12/8/2010	TP 201 South 3-3.5 12/7/2010	TP 202 2-3/2.5 12/8/2010	TP 203 2.5-3 12/8/2010	TP 204 1.5-2 12/8/2010
					3-4	5-6									
		S-1/GW-2	S-1/GW-3		6/16/2010	6/16/2010									
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	1,2,4-Trichlorobenzene	70	500	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	1,1,1-Trichloroethane	500	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,1,2-Trichloroethane	2	4	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Trichloroethylene	2	90	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,2,4-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	1,3,5-Trimethylbenzene	100 ⁽¹⁾	100 ⁽¹⁾	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
	Vinyl Chloride	0.6	0.6	NA	NA	NA	NA	NA	NA	NA	0.0062 U	0.0065 U	0.0070 U	0.0041 U	0.0063 U
	m+p Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	0.0025 U	0.0026 U	0.0028 U	0.0016 U	0.0025 U
	o-Xylene	300	500	NA	NA	NA	NA	NA	NA	NA	0.0012 U	0.0013 U	0.0014 U	0.00081 U	0.0013 U
VPH (mg/kg)	C5-C8 Aliphatics	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C12 Aliphatics	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C10 Aromatics	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl T-Butyl Ether (MTBE)	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Xylenes, m/p- Xylene, o-	300 300	500 500	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
EPH (mg/kg)	C9-C18 Aliphatics	1,000	1,000	15 U	80 U	15 U	99 U	14 U	16 U	12 U	NA	NA	NA	NA	NA
	C19-C36 Aliphatics	3,000	3,000	23	870	30	970	31	58	82	NA	NA	NA	NA	NA
	C11-C22 Aromatics	1,000	1,000	15 U	6,900	190	1,200	54	78	66	NA	NA	NA	NA	NA
	Acenaphthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylnaphthalene, 2-	80	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.52	0.20 U	0.24 U	0.26	0.21 U	0.21 U
	Acenaphthylene	600	10	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.21 U	0.20 U	0.24 U	0.20 U	0.21 U	0.21 U
	Acetophenone	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Aniline	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Anthracene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	0.43	0.27 U	0.79	0.20 U	0.24 U	0.75	0.35	0.21 U
	Benzo(a)anthracene	7	7	0.26 U	5.4 U	1.3 U	1.7 U	1.1	0.61	1.5	0.20 U	0.24 U	3.0	0.87	0.43
	Benzo(a)pyrene	2	2	0.26 U	5.4 U	1.3 U	1.7 U	1.0	0.52	1.3	0.20 U	0.24 U	2.3	0.80	0.35
	Benzo(b)fluoranthene	7	7	0.26 U	5.4 U	1.3 U	1.7 U	1.1	0.61	1.7	0.20 U	0.24 U	2.7	1.0	0.42
	Benzo(g,h,i)perylene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	0.48	0.28	0.47	0.20 U	0.24 U	0.78	0.34	0.21 U
	Benzo(k)fluoranthene	70	70	0.26 U	5.4 U	1.3 U	1.7 U	0.45	0.27 U	0.65	0.20 U	0.24 U	1.1	0.42	0.21 U
	Bis(2-chloroethoxy)methane	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Bis(2-chloroethyl)ether	0.7	0.7	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Bis(2-chloroisopropyl)ether	0.7	3	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:		TP-116 1-2 6/16/2010	TP-117		TP-118 3-4 6/16/2010	TP-119 4-5 6/16/2010	TP-120 1-3 6/16/2010	TP-121 1-3 6/16/2010	TP 201 North 2-2.5 12/8/2010	TP 201 South 3-3.5 12/7/2010	TP 202 2-3/2.5 12/8/2010	TP 203 2.5-3 12/8/2010	TP 204 1.5-2 12/8/2010
					3-4 6/16/2010	5-6 6/16/2010									
		S-1/GW-2	S-1/GW-3												
	Bis(2-Ethylhexyl)phthalate	200	200	0.86	3,100	340	240	3.2	11	2.6	0.39 U	0.48 U	0.40 U	3.0	1.3
	4-Bromophenylphenylether	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Butylbenzylphthalate	NS	NS	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	4-Chloroaniline	100	3	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	2-Chloronaphthalene	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	2-Chlorophenol	100	100	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Chrysene	70	70	0.26 U	5.4 U	1.3 U	1.7 U	1.1	0.67	1.5	0.20 U	0.24 U	3.0	0.91	0.42
	Dibenz(a,h)anthracene	0.7	0.7	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.21 U	0.20 U	0.24 U	0.31	0.21 U	0.21 U
	Dibenzofuran	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.50	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	1,2-Dichlorobenzene	30	300	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	1,3-Dichlorobenzene	40	100	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	1,4-Dichlorobenzene	4	50	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	3,3-Dichlorobenzidine	1	1	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.21 U	0.20 U	0.24 U	0.20 U	0.21 U	0.21 U
	2,4-Dichlorophenol	60	40	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Diethylphthalate	200	300	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	2,4-Dimethylphenol	100	500	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Dimethylphthalate	50	600	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	Di-n-butylphthalate	NS	NS	0.51 U	11 U	2.6 U	31	0.53	1.4	1.2	0.39 U	0.48 U	0.40 U	0.47	0.42 U
	2,4-Dinitrophenol	50	50	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	2,4-Dinitrotoluene	2	2	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	2,6-Dinitrotoluene	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Di-n-octylphthalate	NS	NS	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Fluoranthene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	1.7	1.1	2.8	0.20 U	0.24 U	6.2	1.5	0.82
	Fluorene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.49	0.20 U	0.24 U	0.31	0.21 U	0.21 U
	Hexachlorobenzene	0.7	0.7	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Hexachlorobutadiene	6	6	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Hexachloroethane	3	9	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Indeno(1,2,3-cd)pyrene	7	7	0.26 U	5.4 U	1.3 U	1.7 U	0.58	0.32	0.60	0.20 U	0.24 U	1.1	0.43	0.27
	Isophorone	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	2-Methylnaphthalene	80	300	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.27	0.20 U	0.24 U	0.20 U	0.21 U	0.21 U
	2-Methylphenol	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	3/4-Methylphenol	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Naphthalene	40	500	0.26 U	5.4 U	1.3 U	1.7 U	0.24 U	0.27 U	0.44	0.20 U	0.24 U	0.20 U	0.21 U	0.21 U
	Nitrobenzene	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	2-Nitrophenol	NS	NS	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	4-Nitrophenol	NS	NS	1.0 U	21 U	5.1 U	6.6 U	0.94 U	1.0 U	0.82 U	0.76 U	0.93 U	0.78 U	0.83 U	0.81 U
	Pentachlorophenol	10	10	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
	Phenanthrene	500	500	0.26 U	5.4 U	1.3 U	1.7 U	1.9	1.4	3.7	0.20 U	0.24 U	3.6	1.7	0.84
	Phenol	50	20	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U
Pyrene	1,000	1,000	0.26 U	5.4 U	1.3 U	1.7 U	1.9	1.1	2.2	0.20 U	0.24 U	5.9	1.4	0.68	
1,2,4-Trichlorobenzene	70	500	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U	
2,4,5-Trichlorophenol	1,000	600	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U	
2,4,6-Trichlorophenol	20	20	0.51 U	11 U	2.6 U	3.4 U	0.49 U	0.54 U	0.42 U	0.39 U	0.48 U	0.40 U	0.43 U	0.42 U	
PCBs (mg/kg)	Aroclor-1016	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1221	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1232	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1242	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1248	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1254	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1260	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1262	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Aroclor-1268	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
	Total PCBs	2	2	NA	NA	NA	NA	NA	NA	NA	0.11 U	0.14 U	0.12 U	0.13 U	0.12 U
Pesticides (mg/kg)	Aldrin	0.04	0.04	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	alpha-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	beta-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U

Table 5: Summary of Analytical Results for Soil Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:		TP-116 1-2 6/16/2010	TP-117		TP-118 3-4 6/16/2010	TP-119 4-5 6/16/2010	TP-120 1-3 6/16/2010	TP-121 1-3 6/16/2010	TP 201 North 2-2.5 12/8/2010	TP 201 South 3-3.5 12/7/2010	TP 202 2-3/2.5 12/8/2010	TP 203 2.5-3 12/8/2010	TP 204 1.5-2 12/8/2010
					3-4	5-6									
		S-1/GW-2	S-1/GW-3		6/16/2010	6/16/2010									
	delta-BHC	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	gamma-BHC (Lindane)	0.7	0.5	NA	NA	NA	NA	NA	NA	NA	0.0023 U	0.0028 U	0.0024 U	0.0025 U	0.0025 U
	Chlordane	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	0.023 U	0.028 U	0.024 U	0.025 U	0.025 U
	4,4'-DDD	4	4	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0056 U	0.0047 U	0.0050 U	0.0049 U
	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0056 U	0.0047 U	0.0050 U	0.0049 U
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0056 U	0.018	0.012	0.0049 U
	Dieldrin	0.05	0.05	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0056 U	0.0047 U	0.0050 U	0.0049 U
	Endosulfan I	200	1	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	Endosulfan II	200	1	NA	NA	NA	NA	NA	NA	NA	0.0092 U	0.011 U	0.0094 U	0.010 U	0.0098 U
	Endosulfan Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0092 U	0.011 U	0.0094 U	0.010 U	0.0098 U
	Endrin	8	8	NA	NA	NA	NA	NA	NA	NA	0.0092 U	0.011 U	0.0094 U	0.010 U	0.0098 U
	Endrin Ketone	NS	NS	NA	NA	NA	NA	NA	NA	NA	0.0092 U	0.011 U	0.0094 U	0.010 U	0.0098 U
	Heptachlor	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	Heptachlor Epoxide	0.09	0.09	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	Hexachlorobenzene	0.7	0.7	NA	NA	NA	NA	NA	NA	NA	0.0057 U	0.0070 U	0.0059 U	0.0063 U	0.0061 U
	Methoxychlor	200	200	NA	NA	NA	NA	NA	NA	NA	0.057 U	0.070 U	0.059 U	0.063 U	0.061 U
Metals, total															
(mg/kg)	Antimony	20	20	28	14	49	26	24	41	30	2.9 U	3.5 U	3.0 U	3.3 U	3.0 U
	Arsenic	20	20	45	16	4.6	6.7	39	34	49	6.2	3.9	13	3.3 U	13
	Barium	1,000	1,000	18,000	4,600	740	1,900	2,200	11,000	9,900	140	31	120	150	59
	Beryllium	100	100	0.38 U	0.40 U	0.38 U	0.49 U	0.36 U	0.40 U	1.3	0.29 U	1.8	0.30 U	0.33 U	0.30 U
	Cadmium	2	2	7.6	65	6.0	4.2	4.2	35	5.7	0.29 U	0.35 U	0.53	1.6	0.30 U
	Chromium (total)	1,000**	1,000**	1,100	210	53	280	340	950	480	7.4	8.4	11	30	9.1
	Chromium (VI)	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	990	560	260	1,200	1,400	1,000	790	49	17	250	90	44
	Mercury	20	20	0.10	0.51	0.19	0.26	0.65	0.16	0.13	0.036	0.45	2.9	0.16	0.024
	Nickel	20	20	36	21	7.3	16	100	24	30	7.0	4.7	11	5.5	6.6
	Selenium	400	400	7.5 U	8.0 U	7.6 U	9.9 U	7.1 U	7.9 U	6.2 U	5.8 U	6.9 U	6.0 U	6.5 U	6.1 U
	Silver	100	100	0.75 U	0.80 U	0.76 U	0.99 U	0.71 U	0.79 U	0.94	0.58 U	0.69 U	0.60 U	0.65 U	0.61 U
	Thallium	8	8	3.8 U	4.0 U	3.8 U	4.9 U	3.6 U	4.0 U	3.1 U	2.9 U	3.5 U	3.0 U	3.3 U	3.0 U
	Vanadium	600	600	43	24	11	14	29	26	37	16	10	14	8.8	14
	Zinc	2,500	2,500	64,000	1,900	560	4,900	1,300	8,400	1,900	8.1	22	180	210	15
Oxidation/Reduction Potential															
(mV)	Oxidation/Reduction Potential	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH															
(s.u.)	pH	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - millivolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 S-1 standards.

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.

* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.

** - Cr (III) standards used for comparison to total chromium results, based on hexavalent chromium and pH/ORP results.

Table 6: Summary of Analytical Results for Groundwater Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		MW-1 04/25/08	MW-2		MW-3		MW-5 6/24/2010	MW-6	
		GW-2	GW-3		04/25/08	6/24/2010	04/25/08	04/25/08 Field Dup		6/24/2010	6/24/2010 Field Dup
VOCs (ug/L)	Acetone	50,000	50,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	Benzene	2,000	10,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromochloromethane	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	6	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromoform	700	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromomethane	7	800	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
	n-Butylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	sec-Butylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	Carbon Disulfide	NS	NS	3.0 U	3.0 U	4.0 U	3.0 U	3.0 U	4.0 U	4.0 U	4.0 U
	Carbon Tetrachloride	2	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene	200	1,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	Chloroethane	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Chloroform	50	20,000	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Chloromethane	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	4-Chlorotoluene	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	10 U	10 U
	1,2-Dibromoethane (EDB)	2	50,000	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	Dibromomethane	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	200	8,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethane	1,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloroethane	5	20,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloroethylene	80	30,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichloropropane	NS	NS	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	2,2-Dichloropropane	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1-Dichloropropene	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	cis-1,3-Dichloropropene	10 ⁽²⁾	200 ⁽²⁾	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	trans-1,3-Dichloropropene	10 ⁽²⁾	200 ⁽²⁾	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	Diethyl Ether	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U
	1,4-Dioxane	6,000	50,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
	Ethylbenzene	20,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Hexachlorobutadiene	1	3,000	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U
	2-Hexanone (MBK)	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Isopropylbenzene (Cumene)	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	p-Isopropyltoluene (p-Cymene)	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methylene Chloride	10,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone (MIBK)	50,000	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Naphthalene	1,000	20,000	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
n-Propylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Styrene	100	6,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,1,2-Tetrachloroethane	10	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,2,2-Tetrachloroethane	9	50,000	0.5 U	0.5 U	0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	0.50 U	
Tetrachloroethylene	50	30,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Tetrahydrofuran	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	
Toluene	50,000	40,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,2,3-Trichlorobenzene	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	
1,2,4-Trichlorobenzene	2,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,1-Trichloroethane	4,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,1,2-Trichloroethane	900	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichloroethylene	30	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichlorofluoromethane (Freon 11)	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
1,2,3-Trichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
1,2,4-Trimethylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
1,3,5-Trimethylbenzene	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Vinyl Chloride	2	50,000	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
m+p Xylene	9,000	5,000	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	
o-Xylene	9,000	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
VPH (ug/L)	C5-C8 Aliphatics	3,000	50,000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
	C9-C12 Aliphatics	5,000	50,000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
	C9-C10 Aromatics	7,000	50,000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
	Benzene	2,000	10,000	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	NA
	Ethylbenzene	20,000	5,000	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	NA
	Methyl T-Butyl Ether (MTBE)	50,000	50,000	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	NA
	Naphthalene	1,000	20,000	10 U	10 U	NA	10 U	10 U	NA	NA	NA
	Toluene	50,000	40,000	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	NA
	Xylenes, m/p-	9,000	5,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Xylene, o-	9,000	5,000	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	NA	NA

Table 6: Summary of Analytical Results for Groundwater Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		MW-1 04/25/08	MW-2		MW-3		MW-5 6/24/2010	MW-6	
		Sample Date:			04/25/08	6/24/2010	04/25/08	04/25/08 Field Dup		6/24/2010	6/24/2010 Field Dup
		GW-2	GW-3								
EPH (ug/L)	C9-C18 Aliphatics	5,000	50,000	150 U	150 U	100 U	150 U	150 U	100 U	100 U	100 U
	C19-C36 Aliphatics	NS	50,000	150 U	150 U	100 U	150 U	150 U	100 U	100 U	100 U
	C11-C22 Aromatics	50,000	5,000	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
	Acenaphthene	NS	6,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Acenaphthylene	10,000	40	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Anthracene	NS	30	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Benzo(a)pyrene	NS	500	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Chrysene	NS	70	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Dibenzo(a,h)anthracene	NS	40	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Fluoranthene	NS	200	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Fluorene	NS	40	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Methylnaphthalene, 2-	2,000	20,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Naphthalene	1,000	20,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Phenanthrene	NS	10,000	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
	Pyrene	NS	20	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	NA	NA
SVOCs (ug/L)	Acenaphthene	NS	6,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Acenaphthylene	10,000	40	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Acetophenone	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Aniline	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Anthracene	NS	30	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzo(a)anthracene	NS	1,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzo(a)pyrene	NS	500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzo(b)fluoranthene	NS	400	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzo(g,h,i)perylene	NS	20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Benzo(k)fluoranthene	NS	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bis(2-chloroethoxy)methane	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Bis(2-chloroethyl)ether	30	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Bis(2-chloroisopropyl)ether	100	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Bis(2-Ethylhexyl)phthalate	NS	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	4-Bromophenylphenylether	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Butylbenzylphthalate	NS	NS	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	4-Chloroaniline	50,000	300	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	2-Chloronaphthalene	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2-Chlorophenol	20,000	7,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Chrysene	NS	70	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Dibenz(a,h)anthracene	NS	40	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Dibenzofuran	NS	NS	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	5.0 U
	1,2-Dichlorobenzene	2,000	2,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	1,3-Dichlorobenzene	2,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	1,4-Dichlorobenzene	200	8,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	3,3-Dichlorobenzidine	NS	2,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,4-Dichlorophenol	30,000	2,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Diethylphthalate	50,000	9,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,4-Dimethylphenol	40,000	50,000	40 U	40 U	10 U	40 U	40 U	10 U	10 U	10 U
	Dimethylphthalate	50,000	50,000	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	Di-n-butylphthalate	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,4-Dinitrophenol	50,000	20,000	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	2,4-Dinitrotoluene	20,000	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,6-Dinitrotoluene	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Di-n-octylphthalate	NS	NS	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Fluoranthene	NS	200	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Fluorene	NS	40	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Hexachlorobenzene	1	6,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Hexachlorobutadiene	1	3,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Hexachloroethane	100	50,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Indeno(1,2,3-cd)pyrene	NS	100	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Isophorone	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2-Methylnaphthalene	2,000	20,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Methylphenol	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	3/4-Methylphenol	NS	NS	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	Naphthalene	1,000	20,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Nitrobenzene	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2-Nitrophenol	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	4-Nitrophenol	NS	NS	20 U	20 U	10 U	20 U	20 U	10 U	10 U	10 U
	Pentachlorophenol	NS	200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Phenanthrene	NS	10,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Phenol	50,000	2,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	Pyrene	NS	20	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2,4,5-Trichlorophenol	50,000	3,000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,4,6-Trichlorophenol	5,000	500	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 6: Summary of Analytical Results for Groundwater Samples -- 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		MW-1 04/25/08	MW-2		MW-3		MW-5 6/24/2010	MW-6	
		Sample Date:			04/25/08	6/24/2010	04/25/08	04/25/08 Field Dup		6/24/2010	6/24/2010 Field Dup
		GW-2	GW-3								
Metals, total (ug/L)	Antimony	NS	8,000	40 U	40 U	1.0 U	40 U	40 U	1.0 U	1.0 U	1.0 U
	Arsenic	NS	900	5.0 U	5.0 U	1.8	8.0	5.0 U	4.2	2.2	2.2
	Barium	NS	50,000	56.1	131	1,200	50 U	50 U	46	22	22
	Beryllium	NS	200	2.0 U	2.0 U	0.40 U	2.0 U	2.0 U	0.40 U	0.40 U	0.40 U
	Cadmium	NS	4	2.5 U	2.5 U	0.50 U	2.5 U	2.5 U	0.50 U	0.50 U	0.50 U
	Chromium	NS	300	6.0	5.0 U	1.0 U	5.0 U	5.0 U	10	2.0 U	2.0 U
	Lead	NS	10	7.5 U	7.5 U	2.8	7.5 U	7.5 U	3.3	1.0 U	1.0 U
	Mercury	NS	20	0.1 U	0.1 U	0.10 U	0.1 U	0.1 U	0.10 U	0.10 U	0.10 U
	Nickel	NS	200	6.0	5.0 U	5.2	5.0 U	5.0 U	10 U	10 U	10 U
	Selenium	NS	100	50 U	50 U	5.0 U	50 U	50 U	5.0 U	5.0 U	5.0 U
	Silver	NS	7	3.0 U	3.0 U	0.50 U	3.0 U	3.0 U	0.50 U	0.50 U	0.50 U
	Thallium	NS	3,000	30 U	30 U	0.20 U	30 U	30 U	0.20 U	0.20 U	0.20 U
	Vanadium	NS	4,000	25 U	25 U	5.0 U	25 U	25 U	10 U	10 U	10 U
	Zinc	NS	900	19	20	58	13	14	20 U	20 U	20 U

Notes:

ug/L - micrograms per liter.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

(1) - MassDEP Method 1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 7:
Summary of Analytical Results for Soil/Sludge Materials of Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		TP-106		TP-2	Vault 1	Vault 2
		Sample Date:		0-3/2	0-3/2	4/18/2008	12/7/2010	12/8/2010
		Criteria*		6/15/2010	6/15/2010			
		RCS-1	RCS-2		Field Dup			
VOCs (mg/kg)	Acetone	6	50	0.14 U	0.13 U	33 U	19 U	13 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Benzene	2	200	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Bromobenzene	100	1,000	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Bromochloromethane	NS	NS	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Bromodichloromethane	0.1	0.1	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Bromoform	0.1	1	0.0029 U	0.0026 U	1.3 U	0.38 U	0.26 U
	Bromomethane	0.5	0.5	0.014 U	0.013 U	3.3 U	3.8 U	2.6 U
	2-Butanone (MEK)	4	50	0.058 U	0.051 U	13 U	7.6 U	7.7
	n-Butylbenzene	100 ⁽¹⁾	500 ⁽¹⁾	0.0029 U	0.0026 U	0.65 U	5.5	0.26 U
	sec-Butylbenzene	100 ⁽³⁾	500 ⁽³⁾	0.0029 U	0.0026 U	0.65 U	2.6	0.26 U
	tert-Butylbenzene	100 ⁽³⁾	500 ⁽³⁾	0.0029 U	0.0026 U	0.65 U	0.59	0.26 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Carbon Disulfide	100	1,000	0.0087 U	0.0077 U	2.0 U	3.8 U	2.6 U
	Carbon Tetrachloride	5	5	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Chlorobenzene	1	3	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Chlorodibromomethane	0.005	0.03	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Chloroethane	100	1,000	0.029 U	0.026 U	6.5 U	0.76 U	0.53 U
	Chloroform	0.3	0.3	0.0058 U	0.0051 U	1.3 U	0.76 U	0.53 U
	Chloromethane	100	1,000	0.014 U	0.013 U	3.3 U	0.76 U	0.53 U
	2-Chlorotoluene	100	1,000	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	4-Chlorotoluene	100	1,000	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,2-Dibromo-3-chloropropane (DBCP)	10	100	0.0029 U	0.0026 U	0.65 U	1.9 U	1.3 U
	1,2-Dibromoethane (EDB)	0.1	0.1	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Dibromomethane	500	5,000	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,2-Dichlorobenzene	9	30	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,3-Dichlorobenzene	1	40	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,4-Dichlorobenzene	0.7	4	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Dichlorodifluoromethane (Freon 12)	1,000	10,000	0.029 U	0.026 U	6.5 U	0.76 U	0.53 U
	1,1-Dichloroethane	0.4	5	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,2-Dichloroethane	0.1	0.1	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1-Dichloroethylene	3	40	0.0058 U	0.0051 U	1.3 U	0.38 U	0.26 U
	cis-1,2-Dichloroethylene	0.3	0.4	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	trans-1,2-Dichloroethylene	1	1	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,2-Dichloropropane	0.1	0.1	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,3-Dichloropropane	500	5,000	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	2,2-Dichloropropane	0.1 ⁽²⁾	0.2 ⁽²⁾	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1-Dichloropropene	0.01 ⁽³⁾	0.1 ⁽³⁾	0.0029 U	0.0026 U	0.65 U	0.76 U	0.53 U
	cis-1,3-Dichloropropene	0.01 ⁽⁴⁾	0.4 ⁽⁴⁾	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	trans-1,3-Dichloropropene	0.01 ⁽⁴⁾	0.4 ⁽⁴⁾	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Diethyl Ether	100	1000	0.029 U	0.026 U	6.5 U	0.76 U	0.53 U
	Diisopropyl Ether (DIPE)	100	1,000	0.0014 U	0.0013 U	0.33 U	0.76 U	0.53 U
	1,4-Dioxane	0.2	6	0.14 U	0.13 U	33 U	76 U	53 U
	Ethylbenzene	40	1,000	0.0029 U	0.0026 U	22	0.38 U	0.26 U
	Hexachlorobutadiene	6	90	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	2-Hexanone (MBK)	100	1,000	0.029 U	0.026 U	6.5 U	3.8 U	2.6 U
	Isopropylbenzene (Cumene)	1,000	10,000	0.0029 U	0.0026 U	0.65 U	13	0.26 U
	p-Isopropyltoluene (p-Cymene)	100 ⁽³⁾	500 ⁽³⁾	0.0029 U	0.0026 U	0.65 U	5.4	0.71
	Methyl tert-Butyl Ether (MTBE)	0.1	100	0.0058 U	0.0051 U	1.3 U	0.38 U	0.26 U
	Methylene Chloride	0.1	20	0.029 U	0.026 U	6.5 U	1.9 U	1.3 U
	4-Methyl-2-pentanone (MIBK)	0.4	50	0.029 U	0.026 U	43	3.8 U	2.6 U
	Naphthalene	4	40	0.0058 U	0.0051 U	1.3 U	0.76 U	0.53 U
	n-Propylbenzene	100	1,000	0.0029 U	0.0026 U	0.65 U	21	0.33
	Styrene	3	4	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1,1,2-Tetrachloroethane	0.1	0.1	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1,2,2-Tetrachloroethane	0.005	0.02	0.0014 U	0.0013 U	0.33 U	0.19 U	0.13 U
	Tetrachloroethylene	1	10	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Tetrahydrofuran	500	5,000	0.014 U	0.013 U	3.3 U	3.8 U	2.6 U
	Toluene	30	1,000	0.0029 U	0.0026 U	450	1.1	0.26 U
	1,2,3-Trichlorobenzene	NS	NS	0.0029 U	0.0026 U	0.65 U	1.9 U	1.3 U
	1,2,4-Trichlorobenzene	2	70	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1,1-Trichloroethane	30	600	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	1,1,2-Trichloroethane	0.1	2	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Trichloroethylene	0.3	2	0.0029 U	0.0026 U	0.65 U	0.38 U	0.26 U
	Trichlorofluoromethane (Freon 11)	1,000	10,000	0.014 U	0.013 U	3.3 U	0.76 U	0.53 U
	1,2,3-Trichloropropane	100	1000	0.0029 U	0.0026 U	0.65 U	0.76 U	0.53 U
	1,2,4-Trimethylbenzene	1,000	10,000	0.0029 U	0.0026 U	3.1	60	1.4
	1,3,5-Trimethylbenzene	10	100	0.0029 U	0.0026 U	1.2	33	0.54
	Vinyl Chloride	0.6	0.7	0.014 U	0.013 U	3.3 U	0.76 U	0.53 U
	m+p Xylene	300	300	0.0058 U	0.0051 U	67	0.76 U	0.53 U
	o-Xylene	300	300	0.0029 U	0.0026 U	17	0.38 U	0.26 U
VPH (mg/kg)	C5-C8 Aliphatics	100	500	21 U	16 U	250	NA	NA
	C9-C12 Aliphatics	1,000	3,000	21 U	16 U	30.8 U	NA	NA
	C9-C10 Aromatics	100	500	21 U	16 U	30.8 U	NA	NA
	Benzene	2	200	NA	NA	0.154 U	NA	NA
	Ethylbenzene	40	1,000	NA	NA	18.0	NA	NA
	Methyl T-Butyl Ether (MTBE)	0.1	100	NA	NA	0.154 U	NA	NA
	Naphthalene	4	40	NA	NA	1.54 U	NA	NA
	Toluene	30	1,000	NA	NA	334	NA	NA
	Xylenes, m/p-	300	300	NA	NA	54.4	NA	NA
	Xylene, o-	300	300	NA	NA	14.5	NA	NA

Table 7:
Summary of Analytical Results for Soil/Sludge Materials of Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		TP-106		TP-2	Vault 1	Vault 2
		Criteria*		0-3/2	0-3/2	4/18/2008	12/7/2010	12/8/2010
		RCS-1	RCS-2	6/15/2010	6/15/2010 Field Dup			
EPH (mg/kg)	C9-C18 Aliphatics	1,000	3,000	68 U	55 U	277 U	5,100	6,800
	C19-C36 Aliphatics	3,000	5,000	480	390	515	1,500	3,400
	C11-C22 Aromatics	1,000	3,000	3,200	1,600	1,090	2,100	1,700
	Acenaphthene	4	3,000	NA	NA	1.3	NA	NA
	Acenaphthylene	1	10	NA	NA	6.3	NA	NA
	Anthracene	1,000	3,000	NA	NA	10.7	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	24.9	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	27.2	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	39.8	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	14.4	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	15.7	NA	NA
	Chrysene	70	400	NA	NA	27.6	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	4.5	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	66.1	NA	NA
	Fluorene	1,000	3,000	NA	NA	2.1	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	16.7	NA	NA
	Methylnaphthalene, 2-	0.7	80	NA	NA	1.0	NA	NA
	Naphthalene	4	40	NA	NA	2.4	NA	NA
	Phenanthrene	10	1,000	NA	NA	32.3	NA	NA
	Pyrene	1,000	3,000	NA	NA	67.3	NA	NA
SVOCs (mg/kg)	Acenaphthene	4	3,000	6.3	2.9	1.24 U	1.1	3.6
	Acenaphthylene	1	10	2.3	2.3	3.11	0.73 U	0.70 U
	Acetophenone	1,000	10,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Aniline	1,000	10,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Anthracene	1,000	3,000	18	11	5.26	1.9	3.9
	Benzo(a)anthracene	7	40	57	31	29.0	3.6	5.2
	Benzo(a)pyrene	2	4	48	26	28.1	3.0	3.7
	Benzo(b)fluoranthene	7	40	55	33	40.1	4.0	5.4
	Benzo(g,h,i)perylene	1,000	3,000	18	10	14.0	1.1	1.0
	Benzo(k)fluoranthene	70	400	22	13	15.3	1.7	2.4
	Bis(2-chloroethoxy)methane	500	5000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Bis(2-chloroethyl)ether	0.7	0.7	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Bis(2-chloroisopropyl)ether	0.7	0.7	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Bis(2-Ethylhexyl)phthalate	200	700	36	23	50.7	26	6.4
	4-Bromophenylphenylether	100	1,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Butylbenzylphthalate	100	1,000	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	4-Chloroaniline	1	3	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	2-Chloronaphthalene	1,000	10,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2-Chlorophenol	0.7	100	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Chrysene	70	400	54	30	27.8	3.8	5.0
	Dibenz(a,h)anthracene	0.7	4	5.9	3.6	4.15	0.73 U	0.70 U
	Dibenzofuran	100	1,000	7.8	3.7 U	2.47 U	1.5 U	2.2
	1,2-Dichlorobenzene	9	30	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	1,3-Dichlorobenzene	1	40	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	1,4-Dichlorobenzene	0.7	4	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	3,3-Dichlorobenzidine	1	10	1.1 U	1.9 U	1.24 U	0.73 U	0.70 U
	2,4-Dichlorophenol	0.7	40	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Diethylphthalate	10	200	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2,4-Dimethylphenol	0.7	100	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Dimethylphthalate	30	50	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	Di-n-butylphthalate	50	500	2.3 U	3.7 U	2.47 U	1.6	1.4 U
	2,4-Dinitrophenol	3	50	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	2,4-Dinitrotoluene	0.7	10	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2,6-Dinitrotoluene	100	1,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Di-n-octylphthalate	1,000	10,000	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	1,2-Diphenylhydrazine (as Azobenzene)	50	500	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Fluoranthene	1,000	3,000	99	120	61.0	7.9	15
	Fluorene	1,000	3,000	7.7	4.1	1.24 U	1.0	2.4
	Hexachlorobenzene	0.7	5	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Hexachlorobutadiene	6	90	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Hexachloroethane	0.7	3	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Indeno(1,2,3-cd)pyrene	7	40	21	14	19.2	1.5	1.6
	Isophorone	100	1,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2-Methylnaphthalene	0.7	80	2.6	1.9 U	1.24 U	0.73 U	1.3
	2-Methylphenol	500	5,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	3/4-Methylphenol	500	5,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Naphthalene	4	40	3.7	1.9 U	1.24 U	0.73 U	1.2
	Nitrobenzene	500	5,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2-Nitrophenol	100	1,000	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	4-Nitrophenol	100	1,000	4.5 U	7.3 U	4.93 U	2.8 U	2.7 U
	Pentachlorophenol	3	10	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Phenanthrene	10	1,000	94	41	18.6	6.7	15
	Phenol	1	20	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	Pyrene	1,000	3,000	95	40	42.6	5.5	7.8
	1,2,4-Trichlorobenzene	2	70	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2,4,5-Trichlorophenol	4	600	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U
	2,4,6-Trichlorophenol	0.7	20	2.3 U	3.7 U	2.47 U	1.5 U	1.4 U

Table 7:
Summary of Analytical Results for Soil/Sludge Materials of Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:		TP-106		TP-2 4/18/2008	Vault 1 12/7/2010	Vault 2 12/8/2010
		Criteria*		0-3/2 6/15/2010	0-3/2 6/15/2010 Field Dup			
		RCS-1	RCS-2					
PCBs (mg/kg)	Aroclor-1016	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1221	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1232	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1242	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1248	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1254	2	3	NA	NA	NA	0.55	0.21 U
	Aroclor-1260	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1262	2	3	NA	NA	NA	0.21 U	0.21 U
	Aroclor-1268	2	3	NA	NA	NA	0.21 U	0.21 U
	Total PCBs	2	3	NA	NA	NA	0.55	0.21 U
Pesticides (mg/kg)	Aldrin	0.04	0.4	NA	NA	NA	0.011 U	0.010 U
	alpha-BHC	50	NS	NA	NA	NA	0.011 U	0.010 U
	beta-BHC	10	NS	NA	NA	NA	0.011 U	0.010 U
	delta-BHC	10	NS	NA	NA	NA	0.011 U	0.010 U
	gamma-BHC (Lindane)	0.003	0.5	NA	NA	NA	0.0043 U	0.0041 U
	Chlordane	0.7	30	NA	NA	NA	0.043 U	0.041 U
	4,4'-DDD	4	30	NA	NA	NA	0.015	0.0090
	4,4'-DDE	3	20	NA	NA	NA	0.017	0.0083 U
	4,4'-DDT	3	20	NA	NA	NA	0.033	0.014
	Dieldrin	0.05	0.4	NA	NA	NA	0.0085 U	0.0083 U
	Endosulfan I	0.5	1	NA	NA	NA	0.011 U	0.010 U
	Endosulfan II	0.5	1	NA	NA	NA	0.017 U	0.017 U
	Endosulfan Sulfate	0.5	NS	NA	NA	NA	0.017 U	0.017 U
	Endrin	8	10	NA	NA	NA	0.017 U	0.017 U
	Endrin Ketone	NS	NS	NA	NA	NA	0.017 U	0.017 U
	Heptachlor	0.2	2	NA	NA	NA	0.011 U	0.010 U
	Heptachlor Epoxide	0.09	0.7	NA	NA	NA	0.011 U	0.010 U
	Hexachlorobenzene	0.7	5	NA	NA	NA	0.011 U	0.010 U
	Methoxychlor	200	300	NA	NA	NA	0.11 U	0.10 U
Metals, total (mg/kg)	Antimony	20	30	3.4 U	2.8 U	7.39 U	74	34
	Arsenic	20	20	15	11	11.4	9.5	9.3
	Barium	1,000	3,000	320	240	611	2,700	3,300
	Beryllium	100	200	2.1	2.8	0.47 U	0.55 U	0.48 U
	Cadmium	2	30	4.0	2.8	4.91	5.4	3.2
	Chromium	30	200	45	27	38.0	250	150
	Lead	300	300	310	320	336	530	300
	Mercury	20	30	0.29	0.29	0.332	0.37	0.37
	Nickel	20	700	13	14	14.1	17	14
	Selenium	400	800	6.8 U	5.5 U	9.23 U	11 U	9.6 U
	Silver	100	200	0.68 U	0.55 U	0.93 U	1.4	0.96 U
	Thallium	8	60	3.4 U	2.8 U	5.54 U	5.5 U	4.8 U
	Vanadium	600	1,000	16	19	18.6	17	16
	Zinc	2,500	3,000	330	260	325	1,000	1,700

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP RCs.

VOCs - Volatile Organic Compounds.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

RC - Reportable concentration.

(1) - MassDEP Method 1 RCs for C9-C10 aromatics used.

(2) - MassDEP RCs for Dichloropropane used.

(3) - MassDEP RCs for Dichloropropene used.

(4) - MassDEP Method 1 RCs for 1,3-Dichloropropene used.

* - MassDEP RCs are not applicable to sludge sample results; they are provided to display a comparison of the relative level of contamination.

Table 8: Summary of Analytical Results for Liquid Samples from Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID: Sample Date:	TP-02 04/18/08	Vault 2-W 12/9/2010
		RC GW-2*		
VOCs (ug/L)				
	Acetone	50,000	5,220	20 U
	tert-Amyl Methyl Ether (TAME)	NS	50 U	0.50 U
	Benzene	2,000	100 U	1.0 U
	Bromobenzene	10,000	100 U	1.0 U
	Bromochloromethane	NS	100 U	1.0 U
	Bromodichloromethane	6	100 U	1.0 U
	Bromoform	700	100 U	5.0 U
	Bromomethane	7	500 U	2.0 U
	2-Butanone (MEK)	50,000	2,000 U	10 U
	n-Butylbenzene	7,000 ⁽¹⁾	100 U	1.0 U
	sec-Butylbenzene	7,000 ⁽¹⁾	100 U	1.0 U
	tert-Butylbenzene	10,000	100 U	1.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	50 U	0.50 U
	Carbon Disulfide	10,000	300 U	2.0 U
	Carbon Tetrachloride	2	100 U	1.0 U
	Chlorobenzene	200	100 U	1.0 U
	Chlorodibromomethane	20	50 U	2.0 U
	Chloroethane	10,000	200 U	2.0 U
	Chloroform	50	200 U	2.0 U
	Chloromethane	10,000	200 U	2.0 U
	2-Chlorotoluene	10,000	100 U	1.0 U
	4-Chlorotoluene	NS	100 U	1.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	1,000	500 U	5.0 U
	1,2-Dibromoethane (EDB)	2	50 U	0.50 U
	Dibromomethane	50,000	100 U	1.0 U
	1,2-Dichlorobenzene	2,000	100 U	1.0 U
	1,3-Dichlorobenzene	2,000	100 U	1.0 U
	1,4-Dichlorobenzene	200	100 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	100,000	200 U	2.0 U
	1,1-Dichloroethane	1,000	100 U	1.0 U
	1,2-Dichloroethane	5	100 U	1.0 U
	1,1-Dichloroethylene	80	100 U	1.0 U
	cis-1,2-Dichloroethylene	100	100 U	1.0 U
	trans-1,2-Dichloroethylene	90	100 U	1.0 U
	1,2-Dichloropropane	3	100 U	1.0 U
	1,3-Dichloropropane	50,000	50 U	0.50 U
	2,2-Dichloropropane	9 ⁽²⁾	100 U	2.0 U
	1,1-Dichloropropene	5 ⁽³⁾	200 U	2.0 U
	cis-1,3-Dichloropropene	10 ⁽⁴⁾	50 U	1.0 U
	trans-1,3-Dichloropropene	10 ⁽⁴⁾	50 U	2.0 U
	Diethyl Ether	10,000	200 U	2.0 U
	Diisopropyl Ether (DIPE)	10,000	50 U	0.50 U
	1,4-Dioxane	6,000	5,000 U	50 U
	Ethylbenzene	5,000	100 U	1.0 U
	Hexachlorobutadiene	1	100 U	1.0 U
	2-Hexanone (MBK)	10,000	1,000 U	10 U
	Isopropylbenzene (Cumene)	1,000,000	100 U	1.0 U
	p-Isopropyltoluene (p-Cymene)	10,000	100 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	5,000	100 U	1.0 U
	Methylene Chloride	10,000	500 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	5,520	10 U
	Naphthalene	1,000	200 U	2.0 U
	n-Propylbenzene	10,000	100 U	1.0 U
	Styrene	100	100 U	1.0 U
	1,1,1,2-Tetrachloroethane	10	100 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	50 U	0.50 U
	Tetrachloroethylene	50	100 U	1.0 U
	Tetrahydrofuran	50,000	1,000 U	2.0 U
	Toluene	40,000	2,590	1.5
	1,2,3-Trichlorobenzene	NS	500 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	100 U	2.0 U
	1,1,1-Trichloroethane	4,000	100 U	1.0 U
	1,1,2-Trichloroethane	900	100 U	1.0 U
	Trichloroethylene	30	100 U	1.0 U
	Trichlorofluoromethane (Freon 11)	100,000	200 U	2.0 U
	1,2,3-Trichloropropane	10,000	200 U	2.0 U
	1,2,4-Trimethylbenzene	1,000,000	100 U	1.0 U
	1,3,5-Trimethylbenzene	1,000	100 U	1.0 U
	Vinyl Chloride	2	200 U	2.0 U
	m+p Xylene	5,000	247	2.0 U
	o-Xylene	5,000	100 U	1.0 U

Table 8: Summary of Analytical Results for Liquid Samples from Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:	TP-02 04/18/08	Vault 2-W 12/9/2010
		Sample Date: RC GW-2*		
SVOCs (ug/L)	Acenaphthene	6,000	NA	20 U
	Acenaphthylene	40	NA	20 U
	Acetophenone	100,000	NA	40 U
	Aniline	100,000	NA	20 U
	Anthracene	30	NA	20 U
	Benzo(a)anthracene	1,000	NA	20 U
	Benzo(a)pyrene	500	NA	20 U
	Benzo(b)fluoranthene	400	NA	20 U
	Benzo(g,h,i)perylene	20	NA	20 U
	Benzo(k)fluoranthene	100	NA	20 U
	Bis(2-chloroethoxy)methane	50,000	NA	40 U
	Bis(2-chloroethyl)ether	30	NA	40 U
	Bis(2-chloroisopropyl)ether	100	NA	40 U
	Bis(2-Ethylhexyl)phthalate	50,000	NA	40 U
	4-Bromophenylphenylether	10,000	NA	40 U
	Butylbenzylphthalate	10,000	NA	40 U
	4-Chloroaniline	300	NA	40 U
	2-Chloronaphthalene	100,000	NA	40 U
	2-Chlorophenol	7,000	NA	40 U
	Chrysene	70	NA	20 U
	Dibenz(a,h)anthracene	40	NA	20 U
	Dibenzofuran	10,000	NA	20 U
	1,2-Dichlorobenzene	2,000	NA	20 U
	1,3-Dichlorobenzene	2,000	NA	20 U
	1,4-Dichlorobenzene	200	NA	20 U
	3,3-Dichlorobenzidine	2,000	NA	40 U
	2,4-Dichlorophenol	2,000	NA	40 U
	Diethylphthalate	9,000	NA	40 U
	2,4-Dimethylphenol	40,000	NA	40 U
	Dimethylphthalate	50,000	NA	40 U
	Di-n-butylphthalate	5,000	NA	40 U
	2,4-Dinitrophenol	20,000	NA	40 U
	2,4-Dinitrotoluene	20,000	NA	40 U
	2,6-Dinitrotoluene	10,000	NA	40 U
	Di-n-octylphthalate	100,000	NA	40 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NA	40 U
	Fluoranthene	200	NA	20 U
	Fluorene	40	NA	20 U
	Hexachlorobenzene	1	NA	40 U
	Hexachlorobutadiene	1	NA	40 U
	Hexachloroethane	100	NA	40 U
	Indeno(1,2,3-cd)pyrene	100	NA	20 U
	Isophorone	10,000	NA	40 U
	2-Methylnaphthalene	2,000	NA	20 U
	2-Methylphenol	50,000	NA	40 U
	3/4-Methylphenol	50,000	NA	40 U
	Naphthalene	1,000	NA	20 U
	Nitrobenzene	50,000	NA	40 U
	2-Nitrophenol	10,000	NA	40 U
	4-Nitrophenol	10,000	NA	40 U
	Pentachlorophenol	200	NA	40 U
	Phenanthrene	10,000	NA	20 U
	Phenol	2,000	NA	40 U
	Pyrene	20	NA	20 U
	1,2,4-Trichlorobenzene	2,000	NA	20 U
	2,4,5-Trichlorophenol	3,000	NA	40 U
	2,4,6-Trichlorophenol	500	NA	40 U
PCBs (ug/L)	Aroclor-1016	5	NA	0.20 U
	Aroclor-1221	5	NA	0.20 U
	Aroclor-1232	5	NA	0.20 U
	Aroclor-1242	5	NA	0.20 U
	Aroclor-1248	5	NA	0.20 U
	Aroclor-1254	5	NA	0.42
	Aroclor-1260	5	NA	0.20 U
	Aroclor-1262	5	NA	0.20 U
	Aroclor-1268	5	NA	0.20 U

Table 8: Summary of Analytical Results for Liquid Samples from Subsurface Structures - 2008 and 2010
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:	TP-02 04/18/08	Vault 2-W 12/9/2010
		Sample Date: RC GW-2*		
Pesticides (ug/L)	Aldrin	2	NA	0.050 U
	alpha-BHC	5,000	NA	0.050 U
	beta-BHC	1,000	NA	0.050 U
	delta-BHC	1,000	NA	0.050 U
	gamma-BHC (Lindane)	4	NA	0.030 U
	Chlordane	2	NA	0.20 U
	4,4'-DDD	50	NA	0.040 U
	4,4'-DDE	400	NA	0.040 U
	4,4'-DDT	1	NA	0.040 U
	Dieldrin	0.5	NA	0.0020 U
	Endosulfan I	2	NA	0.050 U
	Endosulfan II	2	NA	0.080 U
	Endosulfan Sulfate	NS	NA	0.080 U
	Endrin	5	NA	0.080 U
	Endrin Ketone	NS	NA	0.080 U
	Heptachlor	1	NA	0.050 U
	Heptachlor Epoxide	2	NA	0.050 U
	Hexachlorobenzene	1	NA	0.050 U
	Methoxychlor	10	NA	0.50 U
Metals, total (ug/L)	Antimony	8,000	NA	11
	Arsenic	900	NA	12
	Barium	50,000	NA	2,300
	Beryllium	200	NA	0.40 U
	Cadmium	4	NA	3.2
	Chromium	300	NA	37
	Lead	10	NA	350
	Mercury	20	NA	0.470
	Nickel	200	NA	8.2
	Selenium	100	NA	5.0 U
	Silver	7	NA	0.50 U
	Thallium	3,000	NA	0.20 U
	Vanadium	4,000	NA	6.1
	Zinc	900	NA	1,200

Notes:

ug/L - micrograms per liter.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed the listed MassDEP Method 1 GW-2 RC.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

RC - Reportable concentration.

(1) - MassDEP Method 1 RC GW-2 for C9-C10 aromatic hydrocarbons used.

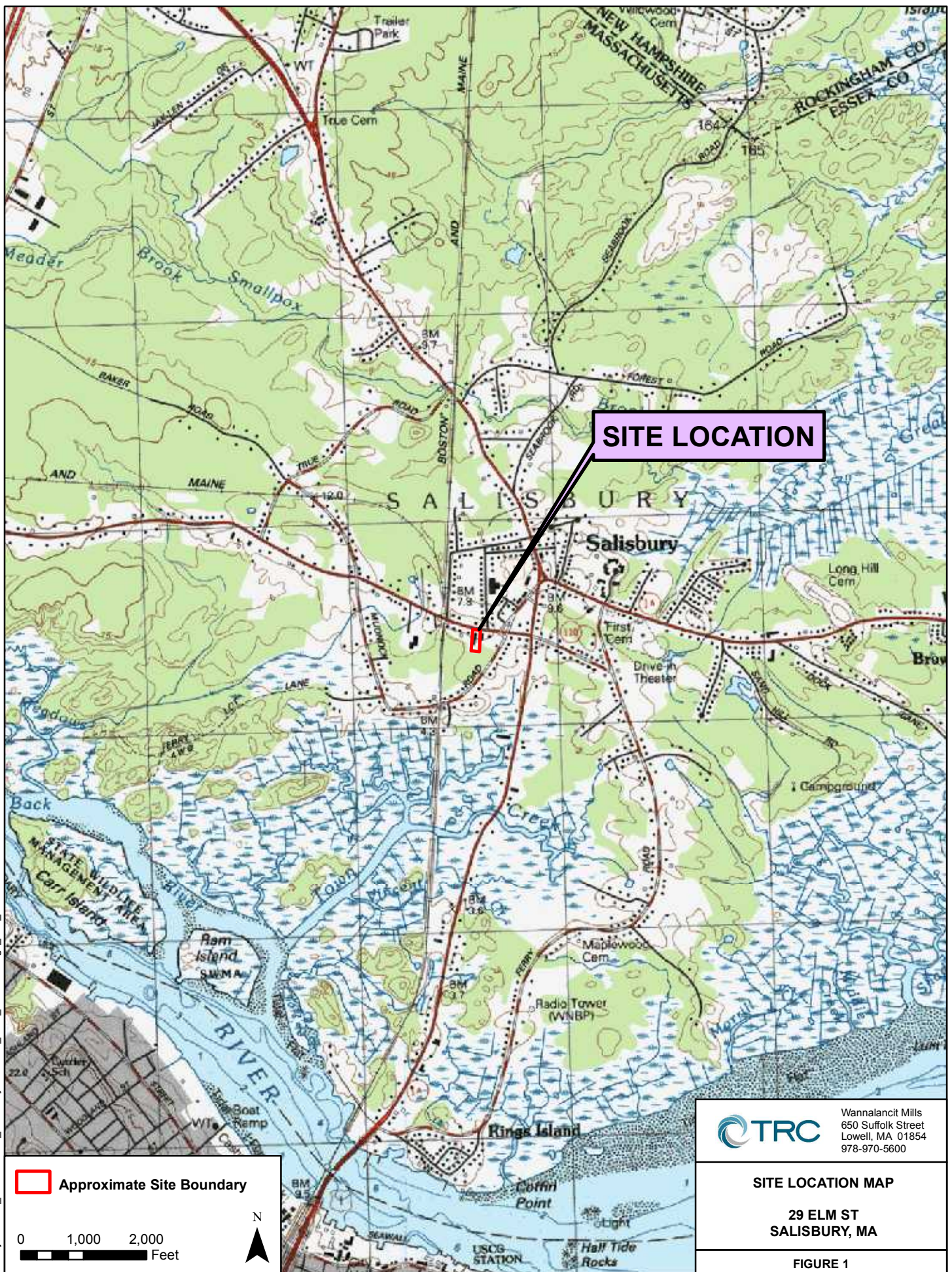
(2) - MassDEP RC GW-2 for Dichloropropane used.

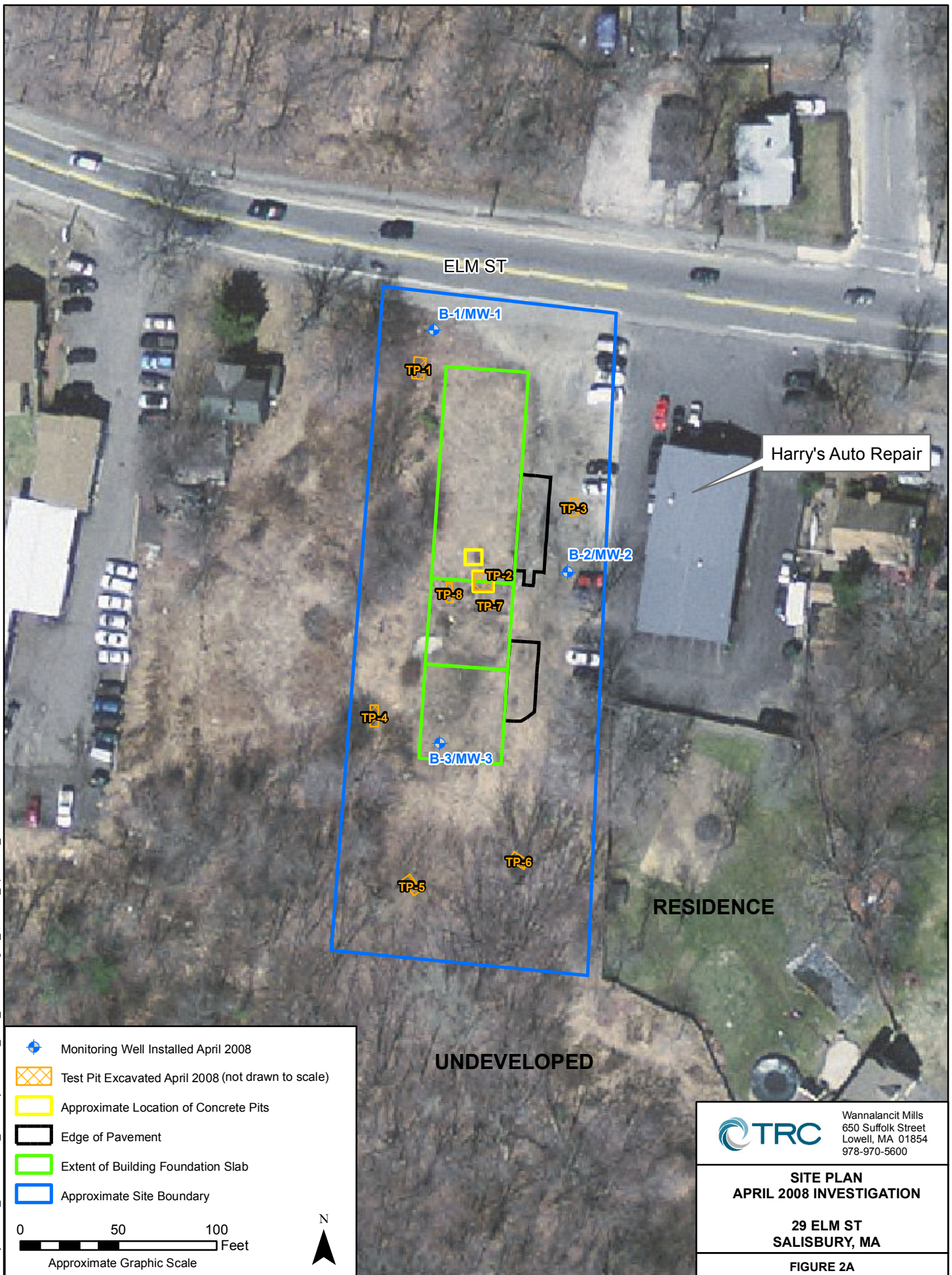
(3) - MassDEP RC GW-2 for Dichloropropene used.

(4) - MassDEP Method 1 RC GW-2 for 1,3-Dichloropropene used.

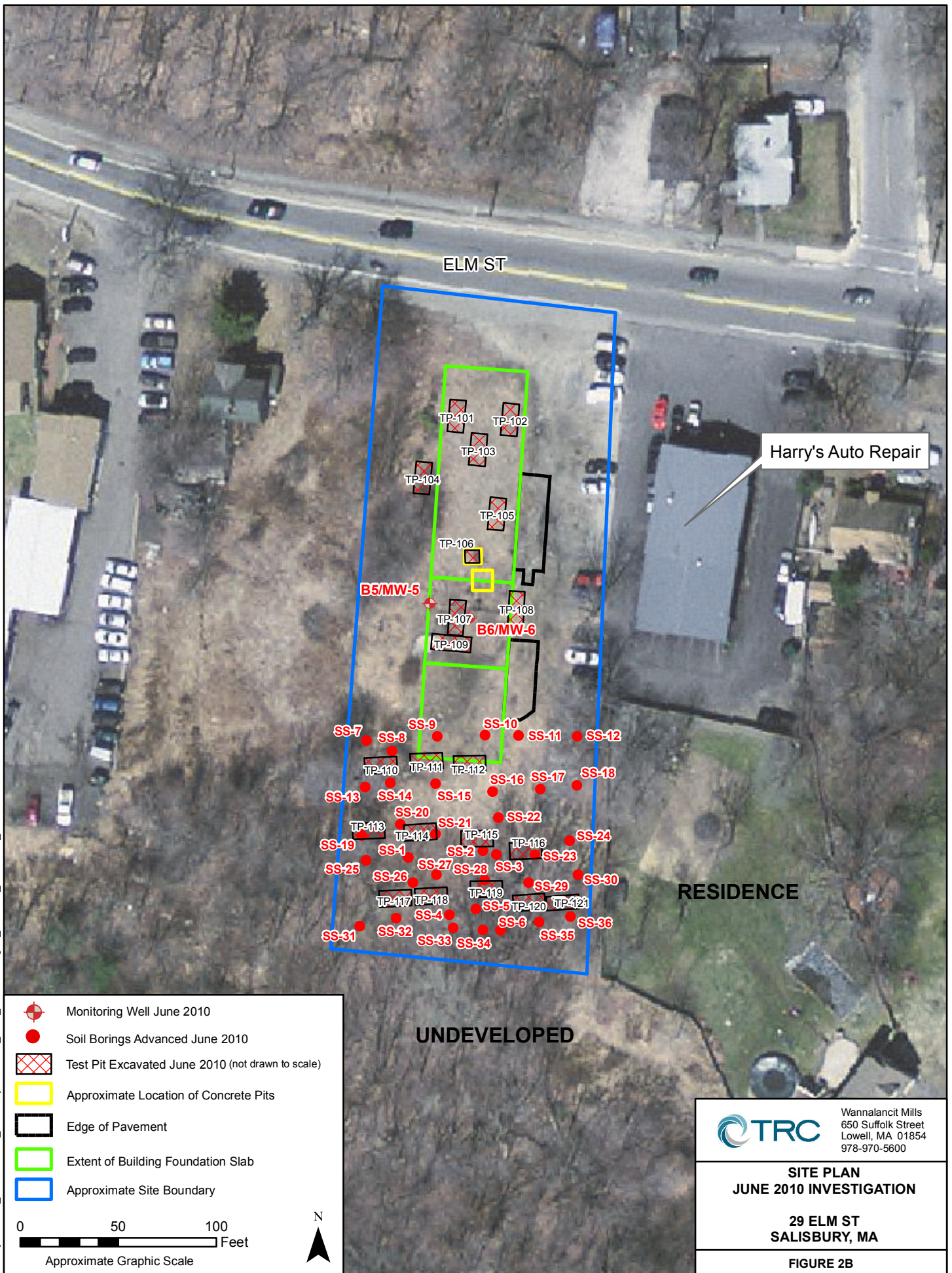
* - MassDEP RCs are not applicable to the vault liquid sample results; they are provided to display a comparison of the relative level of contamination.

FIGURES

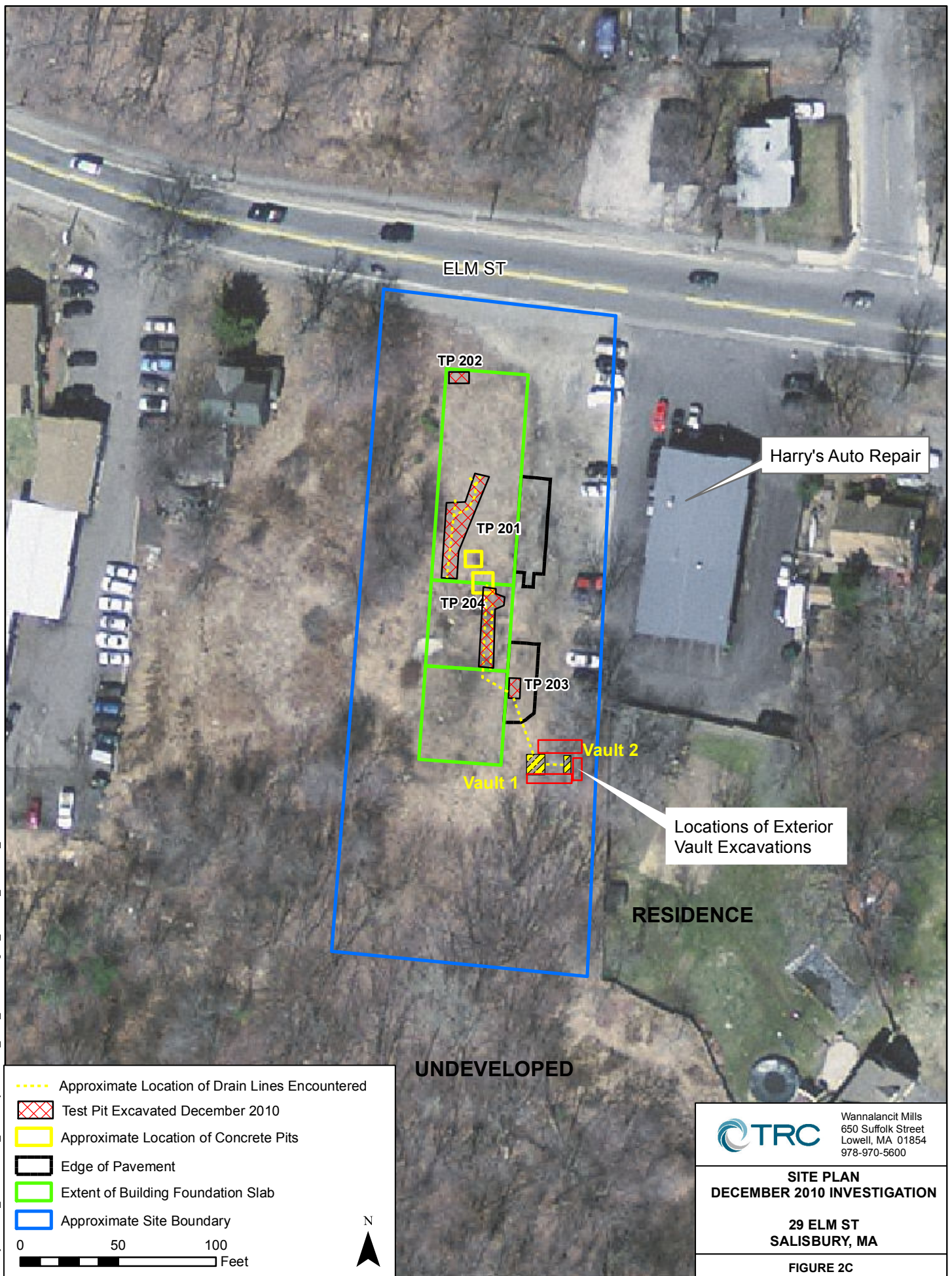


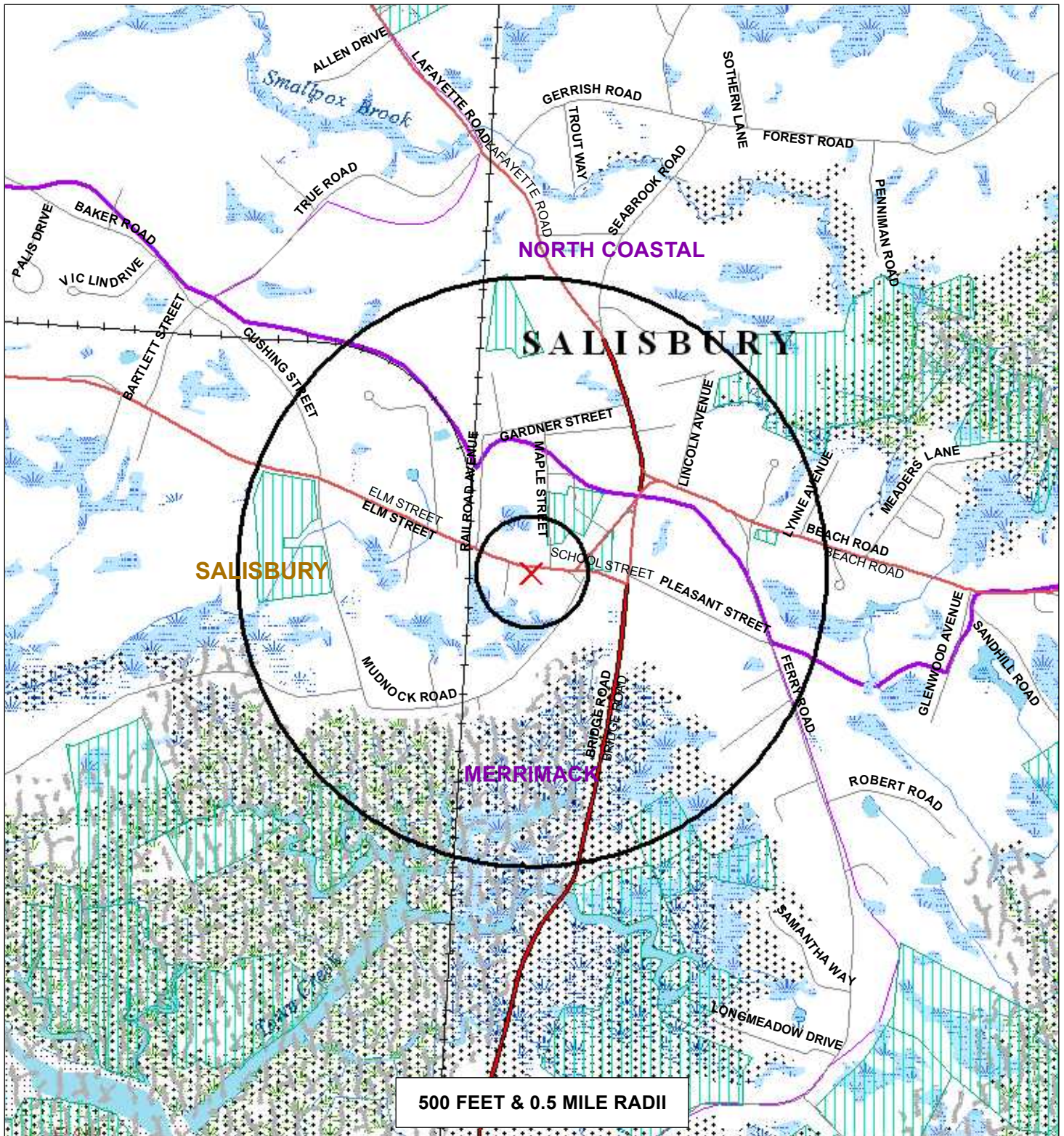


R:\Projects\GIS_2008\114605_Salisbury\mxd\JAN_2011_UPDATE\Fig2B_SitePlan_June2010_022511.mxd



R:\Projects\GIS_2008\114605_Salisbury\mxd\JAN_2011_UPDATE\Fig2C_SitePlan_Dec2010_022511.mxd





500 FEET & 0.5 MILE RADII

Roads: Limited Access, Multi-Lane, Major/Minor, Track, Trail
 Railroad, Pipeline, Powerline
 Major Basin, Sub Basin, Perennial Stream, Intermittent Stream, Shoreline, Man made Shore, Dam, Aqueduct
 Wetland, Salt Wetland, Submerged Wetland, Open Water, Reservoir, Tidal Flat/Shoal
 Potentially Productive Aquifers: Medium, High Yield
 Non-Potential Drinking Water Source Area: Medium, High Yield
 EPA Sole Source Aquifer, FEMA 100 Yr. Floodplain, DEP Solid Waste Facility
 Approved Zone II, IWPA, Surface Water Supply Zone A
 Protected Open Space, ACEC
 Priority Habitat 2008, Certified Vernal Pool 2010
 Boundaries: County and Town
 Public Water Supplies: Ground, Surface, Non-Community (NTNC, TNC)



Wannalancit Mills
 650 Suffolk Street
 Lowell, MA 01854
 978-970-5600

FIGURE 3

MASSDEP PRIORITY RESOURCES MAP
 29 ELM ST
 SALISBURY, MA



0 500 1,000 1,500
 Feet

Source: MassGIS/EOEA



APPENDIX A

PHOTOGRAPHS OF TEST-PITTING ACTIVITIES



1. View of test pit TP-106 excavated in June 2010.



2. View of debris excavated from test pit TP-117 in June 2010



3. View within test pit TP-113 in June 2010.



4. View native sands encountered at depth in TP-111 in June 2010.

**Phase II Site Investigation
29 Elm Street - Salisbury, Massachusetts**



5. View of test pit TP-113 excavated in June 2010 on the southern portion of the Site.



6. View of excavation activities in December 2010 to expose the foundation of the former Site building foundation.



7. View towards the southwest of the fully exposed foundation of the former building.



8. View towards the north of test pit TP-201 excavated in December 2010.



9. View towards the northwest of test pit TP-202 excavated in December 2010.



10. View of a sludge-filled concrete vault, identified as Vault 1, discovered off the southeast corner of the former building foundation.



11. View of the sludge contained within Vault 1.



12. View of a manhole leading to a second sludge-filled concrete vault, identified as Vault 2, discovered adjacent to Vault 1.

APPENDIX B

**SOIL BORING LOGS, TEST PIT LOGS, AND WELL
CONSTRUCTION DIAGRAMS**

2008 Soil Boring Log Sheets

BORING LOG



Project: Town of Salisbury
29 Elm Street
Salisbury, MA

Boring ID No.: **B-1**
Monitor Well ID No.: **MW-1**
Sheet 1 of 1

Boring Location:	Northwestern corner of Site adjacent to Elm Street	Project Number:	114605.0010.040006
Ground Elevation:	n/a	Project Manager:	Paul Arnold
Depth to First Water:	~3'	Dated Drilled:	4/18/2008
Depth to Static Water:		Drill Type:	Direct Push
Stabilization Time:	n/a	Sampling Method:	60-inch Macrocore
Blow Count Info	Notes:	Drill Rig and Model Number:	Track Mounted Geoprobe
Type: n/a	HS = Headspace PID reading with a Thermo 580 B OVM	Drilling Company:	Geologic
Hammer: n/a		Driller's Name:	Damien
Fall: n/a		TRC Representative:	John McRobbie

Depth (feet)	Sample Number	Blows Required	PID HS (ppmv)	Penetration/ Recovery	USCS	Sample Description	Well Construction	Depth (feet)
1	S-1	n/a	0.0	48"/36"		36" Fine sand, tan-brown		1
2								2
3								3
4								4
5	S-2	n/a	0.0	48"/48"		48" Medium sand, tan, with some fine sand		5
6								6
7								7
8								8
9	S-3	n/a	n/a					9
10								10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20

Proportions Used

Trace

Little

Some

And

Change in Material Type

Change in Deposit Type

Penetration Resistance ("Blow Counts")

Cohesionless Density

0-4 Very Loose
5-9 Loose
10-29 Med. Dense
30-49 Dense
50+ Very Dense

Cohesive Consistency

0-2 Very Soft
3-4 Soft
5-8 M/Stiff
9-15 Stiff
16-30 Very Soft
31+ Hard

Concrete

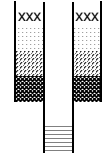
Silica Sand Pack

Native Fill

Bentonite Seal

Riser

Screen



BORING LOG



Project: Town of Salisbury
29 Elm Street
Salisbury, MA

Boring ID No.: **B-2**
Monitor Well ID No.: **MW-2**
Sheet 1 of 1

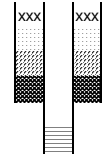
Boring Location:	Along eastern edge of property	Project Number:	114605.0010.040006
Ground Elevation:	n/a	Project Manager:	Paul Arnold
Depth to First Water:	~3.5'	Dated Drilled:	4/18/2008
Depth to Static Water:		Drill Type:	Direct Push
Stabilization Time:	n/a	Sampling Method:	60-inch Macrocore
Blow Count Info	Notes:	Drill Rig and Model Number:	Track Mounted Geoprobe
Type: n/a	HS = Headspace PID reading with a Thermo 580 B OVM	Drilling Company:	Geologic
Hammer: n/a		Driller's Name:	Damien
Fall: n/a		TRC Representative:	John McRobbie

Depth (feet)	Sample Number	Blows Required	PID HS (ppmv)	Penetration/ Recovery	USCS	Sample Description	Well Construction	Depth (feet)
1	S-1	n/a		48"/38"		5" Topsoil		1
2			0.5			3" Medium to coarse brown sand some gravel		2
3						30" Tan very fine to fine sand (moist)		3
4								4
5	S-2	n/a		48"/48"		12" Very fine tan sand (wet)		5
6			0.9			26" Medium tan sand		6
7						4" Tan dense silt		7
8						3" Fine sand (wet)		8
9	S-3	n/a						9
10			n/a					10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20

Proportions Used

	Cohesionless Density		Cohesive Consistency	
Trace	0-4	Very Loose	0-2	Very Soft
Little	5-9	Loose	3-4	Soft
Some	10-29	Med. Dense	5-8	M/Stiff
And	30-49	Dense	9-15	Stiff
	50+	Very Dense	16-30	Very Soft
			31+	Hard

Concrete
Silica Sand Pack
Native Fill
Bentonite Seal
Riser
Screen



BORING LOG



Project: Town of Salisbury
29 Elm Street
Salisbury, MA

Boring ID No.: **B-3**
Monitor Well ID No.: **MW-3**
Sheet 1 of 1

Boring Location:	Southern portion of property	Project Number:	114605.0010.040006
Ground Elevation:	n/a	Project Manager:	Paul Arnold
Depth to First Water:	~3.5'	Dated Drilled:	4/18/2008
Depth to Static Water:		Drill Type:	Direct Push
Stabilization Time:	n/a	Sampling Method:	60-inch Macrocore
Blow Count Info	Notes:	Drill Rig and Model Number:	Track Mounted Geoprobe
Type: n/a	HS = Headspace PID reading with a Thermo 580 B OVM	Drilling Company:	Geologic
Hammer: n/a		Driller's Name:	Damien
Fall: n/a		TRC Representative:	John McRobbie

Depth (feet)	Sample Number	Blows Required	PID HS (ppmv)	Penetration/ Recovery	USCS	Sample Description	Well Construction	Depth (feet)
1	S-1	n/a		48"/24"		3" Topsoil 3" Concrete 17" Very fine sand light tan to brown	xxx xxx	1
2			4.9					2
3								3
4								4
5	S-2	n/a		48"/48"		6" very fine sand light tan 42" wet very fine to meduim sand tan	▼	5
6			4.2					6
7								7
8								8
9	S-3	n/a						9
10			n/a					10
11								11
12								12
13								13
14								14
15								15
16								16
17								17
18								18
19								19
20								20

Proportions Used

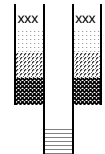
Trace
Little
Some
And

Change in Material Type
Change in Deposit Type

Penetration Resistance ("Blow Counts")

Cohesionless Density	Cohesive Consistency
0-4 Very Loose	0-2 Very Soft
5-9 Loose	3-4 Soft
10-29 Med. Dense	5-8 M/Stiff
30-49 Dense	9-15 Stiff
50+ Very Dense	16-30 Very Soft
	31+ Hard

Concrete
Silica Sand Pack
Native Fill
Bentonite Seal
Riser
Screen



2008 Test Pit Log Sheets



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: Northwest Corner of the Site

Test Pit Number: **TP-1**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 5.5'

Piezometer Installed? No

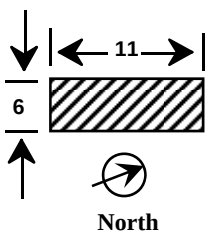
Depth to Ground Water: 5'

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Dk. Brown, dry, organic F. SAND and SILT to 1'	0.0 ppmv
2		Tan, damp-moist, F-M SAND, tr. c sand to 5.5', wet at 5'	0.0 ppmv
3			
4			
5			4.6 ppmv
6		End of Excavation ~5.5'	
7			
8			
9			
10			

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: Center of the Site

Test Pit Number: **TP-2**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 4'

Piezometer Installed? No

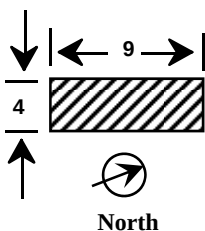
Depth to Ground Water: N/A

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Moist, black stained soils, wood debris, concrete blocks, one crushed steel drum. Water standing at 3'. Strong acetone odor on the materials. All this is taken from within the concrete lined pit.	PID readings taken of soil pile 1,000+ ppmv
2			
3			
4			
5			
6			
7			
8			
9			
10			

TEST PIT PLAN

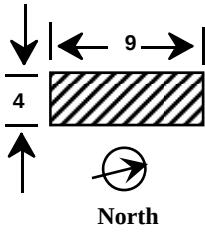


Vol. = ____ cu. yd.

Test Pit Sketch

 Test Pit Log		Project: 114605 – 29 Elm St. Salisbury	Date/Time: 4/18/08	Sheet <u>1</u> of <u>1</u>
		Contractor Personnel: Dave Edilberti	TRC Personnel: Ryan Niles	
Equipment/Contractor Used: John Deere 310SE / Edilberti		Location: Northeast, adjacent to Harry's auto	Test Pit Number: TP-3	
Reach/Capacity: 18.5' / 24" bucket		Total Depth: 5'	Piezometer Installed? No	
Depth to Ground Water: 4'		Weather: Sunny, 60s	Elevation: NM Top of Pit	

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Light brown, damp, F-M SAND, tr. c sand to 5', wet from 4 to 5'	0.0 ppmv
2			
3			0.0 ppmv
4			
5			
6		End of excavation ~5'	
7			
8			
9			
10			

TEST PIT PLAN  Vol. = ____ cu. yd.	Test Pit Sketch
--	-------------------------------



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: West of MW-3

Test Pit Number: **TP-4**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 8.5'

Piezometer Installed? No

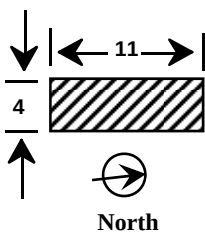
Depth to Ground Water: 8'

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Dk brown, damp, organic top soil to 0.75'	0.0 ppmv
2			
3			
4			
5			0.0 ppmv
6			
7			
8		Moist, gray, F. SAND and SILT to 8.5', wet at 8'	0.0 ppmv
9			
10		End of excavation ~8.5'	

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: Southwest Corner of the Site

Test Pit Number: **TP-5**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 8'

Piezometer Installed? No

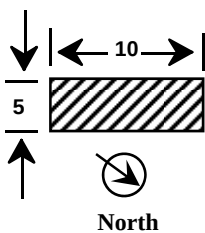
Depth to Ground Water: 7'

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Dk brown, dry F SAND, tr gravel to 1.25'	0.0 ppmv
2		Stacked shoe leather to 2'	
3		Dk brown/black sandy fill material with glass and plastic to 3.5'	
4		Light brown, f-c SAND to 8', wet at 7'	0.0 ppmv
5			0.0 ppmv
6			
7			
8		End of Excavation ~8'	
9			
10			

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: Southeast Corner of the Site

Test Pit Number: **TP-6**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 5.5'

Piezometer Installed? No

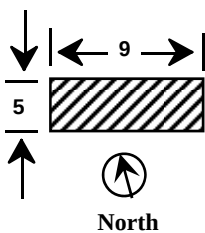
Depth to Ground Water: 5'

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Dk brown top soil to 0.5'	0.0 ppmv
2		Orange/brown f-c sand fill with glass bottles and shoe forms to 3'	
3		Gray/black f-c sand fill with broken glass to 5.5', wet at 5'	
4			
5			0.0 ppmv
6		End of Excavation ~5.5'	
7			
8			
9			
10			

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: Southeast Side of the Elevator pit

Test Pit Number: **TP-7**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 6.5'

Piezometer Installed? No

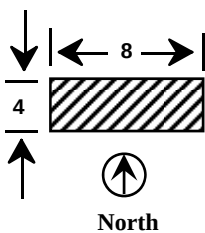
Depth to Ground Water: 6.5'

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Black top soil to 2'	0.0 ppmv
2			
3		Light brown, F SAND, some silt, stiff to 6.5'	
4			
5			0.0 ppmv
6			
7		End of Excavation ~6.5'	
8			
9			
10			

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch



Test Pit Log

Project: 114605 – 29 Elm St. Salisbury

Date/Time: 4/18/08

Sheet 1 of 1

Contractor Personnel: Dave Edilberti

TRC Personnel: Ryan Niles

Equipment/Contractor Used:
John Deere 310SE / Edilberti

Location: West side of elevator pit

Test Pit Number: **TP-8**

Reach/Capacity: 18.5' / 24" bucket

Total Depth: 5'

Piezometer Installed? No

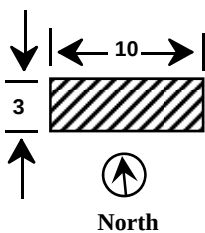
Depth to Ground Water:

Weather: Sunny, 60s

Elevation: NM Top of Pit

Depth	Sample Number	Stratigraphic Description	REMARKS:
1		Light brown F SAND, some m sand, mottled black in places, no odor	Pipes at 6" and 2'. Pipe at 6" seems to run toward the southeast. Pipe at 2' is broken.
2			0.0 ppmv
3		Light brown F-M SAND, tr. c sand	
4			0.0 ppmv
5		End of excavation ~5'	
6			
7			
8			
9			
10			

TEST PIT PLAN



Vol. = ____ cu. yd.

Test Pit Sketch

June 2010 Surface Soil Sample Log Sheets



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-1

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Tan-Brown f-m silt
some gravel
Black sand + gravel @ last
2"
some plastic pcs

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☒	
Alconox	☒	
Tap water	☒	
HNO ₃ (1 or 10%)	☒	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	GLP Sample	GLP Case#
SVOCs	YES <u>(NO)</u>	NA		1635		
CP Metals + Hg	YES <u>(NO)</u>	NA		↓		
H + ORP	YES <u>(NO)</u>	NA				
Cr + 6	YES <u>(NO)</u>	NA				
	YES NO					
	YES NO					

Signed: Emilie Wachtel Rpt. 125 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-2

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" Brown-Black F-m SAND
w/ Fill - coal slag + glass
6" Ash
7-12" 7-9" Tan F-m SAND
w/ Fill
9-12" fill coal slag
+ Ash

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒	Trowel ☐
Core Sampler ☐	Shelby Tube ☐
Spatula/Spoon ☐	Dredge Sampler ☐
Bowl (stainless) ☐	Kemmerer ☐
Split-spoon (2" or 3") ☐	Extended Arm ☐
Encore® ☐	Bailer ☐
Other ☐	Backhoe ☐
	Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☐	
Alconox	☒	
Tap water	☐	
HNO ₃ (1 or 10%)	☒	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>(NO)</u>	NA		1630		
☒ MCP Metals + Hg	YES <u>(NO)</u>	NA				
☒ pH + ORP	YES <u>(NO)</u>	NA				
☒ Cr+6	YES <u>(NO)</u>	NA				
☐	YES NO					
☐	YES NO					



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-3

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil

Subsurface Soil

Other _____

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" brown f-# sand
6-12" clay pcs glass frags

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐ _____

YES NO

☐ _____

YES NO

1625



Signed:

Emilij L. Wachtel

Rev. 125 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-4

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m SAND
last 3" pcs of plastic

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Baller
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1620



Signed:

Emilij L. Wachtel

Rev. 125 January 2002



Sample Log Sheet

Project:
29 Elm Street

Contractor Personnel:
GeoSearch/

Project No.:
170023

Date/Time:
6/14/2010

Sheet **1** of **1**

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: **SS-5**

Depth/Interval Sampled: **0-12"**

Sample Type: **(Grab)** Composite or Both
(circle)

Media:
(circle)

(Surface Soil)
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: **Mini Rae**

Other Field Measurements:

Observations:

0-12", Brown f-sand

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ **SVOCs**

YES **(NO)**

NA

☒ **MCP Metals + Hg**

YES **(NO)**

NA

☒ **pH + ORP**

YES **(NO)**

NA

☒ **Cr+6**

YES **(NO)**

NA

☐

YES NO

☐

YES NO

1615





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-6

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" brown f SAND

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ <u>SVOCs</u>	YES <u>(NO)</u>	<u>NA</u>		<u>1610</u>		
☒ <u>MCP Metals + Hg</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>pH + ORP</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>Cr+6</u>	YES <u>(NO)</u>	<u>NA</u>				
☐	YES NO					
☐	YES NO					

Signed:

Emilia Wachtel

Rev. 125 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-7

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m sand

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☒
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>(NO)</u>	NA		1605		
☒ MCP Metals + Hg	YES <u>(NO)</u>	NA				
☒ pH + ORP	YES <u>(NO)</u>	NA				
☒ Cr+6	YES <u>(NO)</u>	NA				
☐	YES NO					
☐	YES NO					



Sample Log Sheet

Project: 29 Elm Street

Project No.: 170023

Date/Time: 6/14/2010

Sheet 1 of 1

Contractor Personnel: GeoSearch/

TRC Personnel: E. Wachtel / H. Rizza

Sample No.: SS-8

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both (circle)

Media: (circle)

Surface Soil
Subsurface Soil
Other

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" Brown f-m SAND
w/roots

6-12" Brown f-m SAND
w/ clay clumps w/roots
large pcs of coal @ ~4"

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered (circle)

Preservation Method

Volume Required

Time of Collection

CLP Sample

CLP Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1600





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-9

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both (circle)

Media: (circle) Surface Soil Sediment
Subsurface Soil Surface Water
Other _____ Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" Brown f-m sand
same f-gray sand @ 6"

refusal @ 6"

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☒
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>(NO)</u>	NA		1555		
☒ MCP Metals + Hg	YES <u>(NO)</u>	NA				
☒ pH + ORP	YES <u>(NO)</u>	NA				
☒ Cr+6	YES <u>(NO)</u>	NA				
☐	YES NO					
☐	YES NO					

Signed:

Emilia Wachtel

Rev. 25 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-10

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

(Surface Soil)
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f SAND &
veg with roots + grass

~~DUP 2~~ here

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1590





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-13

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m sand
trace fill - glass frags
plastic frags.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ <u>SVOCs</u>	YES <u>(NO)</u>	<u>NA</u>		<u>1525</u>		
☒ <u>MCP Metals + Hg</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>pH + ORP</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>Cr+6</u>	YES <u>(NO)</u>	<u>NA</u>				
☐	YES NO					
☐	YES NO					



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-14

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil

Subsurface Soil

Other _____

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-3" Brown f-m SAND

3-12" Brown f-m SAND

w/ fill - Ash

SAMPLE COLLECTION EQUIPMENT:

Hand Auger

Core Sampler

Spatula/Spoon

Bowl (stainless)

Split-spoon (2" or 3")

Encore®

Other

☒
☐
☐
☐
☐
☐
☐

Trowel

Shelby Tube

Dredge Sampler

Kemmerer

Extended Arm

Bailer

Backhoe

Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water

Alconox

Tap water

HNO₃ (1 or 10%)

Tap Water

Methanol

Hexane

Acetone

Air Dry

DI Water

Air Dry

None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1515





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-15

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

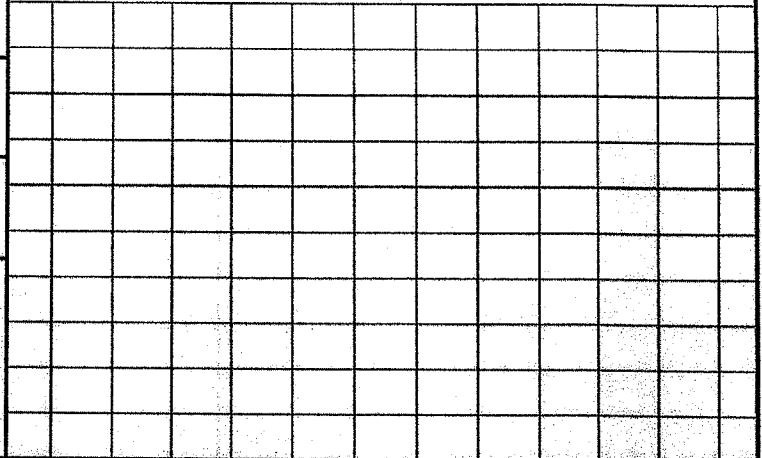
Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Sketch of Sample Location



Observations:

0-3" Brown f-m sand
3-12" Brown f-m sand
w/ fill coal slag
coal frags + glass +
leather

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☒	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☐	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Other	☐	Backhoe	☐
		Van Dorn Bottle	☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☐	
Alconox	☒	
Tap water	☒	
HNO ₃ (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ <u>SVOCs</u>	YES <u>(NO)</u>	<u>NA</u>		<u>1505</u>		
☒ <u>MCP Metals + Hg</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>pH + ORP</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>Cr + 6</u>	YES <u>(NO)</u>	<u>NA</u>				
☐	YES NO					
☐	YES NO					

Signed: Emilia Wachtel Rev. 125 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-16

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil

Subsurface Soil

Other _____

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m sand
trace coal frags trace
glass.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ <u>SVOCs</u>	YES <u>(NO)</u>	<u>NA</u>		<u>1500</u>		
☒ <u>MCP Metals + Hg</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>pH + ORP</u>	YES <u>(NO)</u>	<u>NA</u>				
☒ <u>Cr + 6</u>	YES <u>(NO)</u>	<u>NA</u>				
☐	YES NO					
☐	YES NO					

Signed:

Emilia Wachtel

Rev: 125 January 2002



Sample Log Sheet

Project:
29 Elm StreetProject No.:
170023Date/Time:
6/14/2010Sheet 1 of 1Contractor Personnel:
GeoSearch/TRC Personnel:
E. Wachtel / H. RizzaSample No.: SS-17Depth/Interval Sampled: 0-12"Sample Type: (Grab) Composite or Both
(circle)Media:
(circle)Surface Soil
Subsurface Soil
Other _____Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m sand
some gravel, some
coal frags

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other☒
☐
☐
☐
☐
☐
☐Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None☐
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)Preservation
MethodVolume
RequiredTime of
CollectionCLP
SampleCLP
Case#☒ SVOCsYES (NO)

NA

☒ MCP Metals + HgYES (NO)

NA

☒ pH + ORPYES (NO)

NA

☒ Cr+6YES (NO)

NA

☐

YES NO

☐

YES NO

1450



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-18

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m SAND
same gravel
trace of coal frags.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☒
☒
☒
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1440



Emilia L. Wachtel



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-20

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both (circle)

Media: (circle)

(Surface Soil)
Subsurface Soil
Other

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m SAND
w/ some gravel
trace plastic + glass below
6"

DUP-1 Taken here

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☒
☒
☐
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered (circle)

Preservation Method

Volume Required

Time of Collection

CLP Sample

CLP Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1420





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-21

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both (circle)

Media: (circle)

Surface Soil
Subsurface Soil
Other

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-8" Brown f-m sand w/
roots & gravel
8-12" Fill material mixed

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☒
☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES (NO)	NA		1410		
☒ MCP Metals + Hg	YES (NO)	NA				
☒ pH + ORP	YES (NO)	NA				
☒ Cr+6	YES (NO)	NA				
☐	YES NO					
☐	YES NO					



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-22

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" Brown f.m. sand
some glass frags.

6-12" fill mixed in -
shoe material - leather
glass pcs.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☐
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐ _____

YES NO

☐ _____

YES NO

1400





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-23

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

(Surface Soil)
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" brown p-m sand
w/ roots, Fill @ ~ 8"
coal slag, glass frags
some plastic
some gravel

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☐
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐ _____

YES NO

☐ _____

YES NO

1310





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-24

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-11" Brown - light Brown
f-m sand w/ gravel
roots, trace coal frags.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☐
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES NO

NA

☒ MCP Metals + Hg

YES NO

NA

☒ pH + ORP

YES NO

NA

☒ Cr+6

YES NO

NA

☐

YES NO

☐

YES NO

1300





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-25

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Tan-Brown f.m
SAND @ 3" shoe leather
(shoe forms) @ 12"
plastic, leather glass
coal & coal ash

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☒
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1250





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-26

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: MiniRae

Other Field Measurements:

Observations:

0-12" Fill material -
plastic bags, leather,
fabric + coal + coal ash
w/ brown - f - m sand
some coarse sand + gravel

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☐
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>(NO)</u>	NA		1240		
☒ MCP Metals + Hg	YES <u>(NO)</u>	NA				
☒ pH + ORP	YES <u>(NO)</u>	NA				
☒ Cr+6	YES <u>(NO)</u>	NA				
☐	YES NO					
☐	YES NO					



Project No.:
170023

Date/Time: 6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-27

Depth/Interval Sampled: 0-12"

Sample Type: **Grab** Composite or Both
(circle)

Media:
(circle)

Surface Soil	Sediment
Subsurface Soil	Surface Water
Other	Ground Water

Field Screening information:

Type of Meter: Mini Rae

Other Field Measurements:

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other



**Trowel
Shelby Tube
Dredge Sampler
Kemmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle**



DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
 HNO_3 (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None



ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	GLP Sample	GLP Case#
☒ SVOCs	YES ☒	NA		1225	1230	
☒ MCP Metals + Hg	YES ☒	NA		EW 6/28/10		
☒ pH + ORP	YES ☒	NA				
☒ Cr+6	YES ☒	NA				
☐	YES NO					
☐	YES NO					

Signed:

Emilij L. Wacht



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-28

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil

Subsurface Soil

Other _____

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" brown-f-m SAND
(TOPSOIL) trace gravel

SAMPLE COLLECTION EQUIPMENT:

Hand Auger

Core Sampler

Spatula/Spoon

Bowl (stainless)

Split-spoon (2" or 3")

Encore®

Other

☒
☐
☐
☐
☐
☐
☐

Trowel

Shelby Tube

Dredge Sampler

Kemmerer

Extended Arm

Bailer

Backhoe

Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water

Alconox

Tap water

HNO₃ (1 or 10%)

Tap Water

Methanol

Hexane

Acetone

Air Dry

DI Water

Air Dry

None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1220





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-29

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both
(circle)

Media: Surface Soil Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m SAND
Same gravel - topsoil

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☐	
Alconox	☒	
Tap water	☐	
HNO ₃ (1 or 10%)	☒	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>NO</u>	NA		1215		
☒ MCP Metals + Hg	YES <u>NO</u>	NA				
☒ pH + ORP	YES <u>NO</u>	NA				
☒ Cr+6	YES <u>NO</u>	NA				
☐	YES NO					
☐	YES NO					

Signed:

Emilia L. Wachtel

Rev. 25 January 2002



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-30

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown f-m sand
trace gravel + roots
(topsoil), trace coal
fragments.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☐
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☐
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1205





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-31

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown - Tan f-m
SAND, roots
Fill @ 12" - plastic frags

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water ☒
Alconox ☒
Tap water ☒
HNO₃ (1 or 10%) ☒
Tap Water ☐
Methanol ☐
Hexane ☐
Acetone ☐
Air Dry ☐
DI Water ☐
Air Dry ☐
None ☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐

YES NO

☐

YES NO

1155





Sample Log Sheet

Project: 29 Elm Street

Project No.: 170023

Date/Time: 6/14/2010

Sheet 1 of 1

Contractor Personnel: GeoSearch/

TRC Personnel: E. Wachtel / H. Rizza

Sample No.: SS-32

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both (circle)

Media: (circle)

Surface Soil

Subsurface Soil

Other

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: MiniRae

Other Field Measurements:

Observations:

0-12" Brown to tan
f-m sand trace gravel
fill @ 12" - plastic frags

SAMPLE COLLECTION EQUIPMENT:

Hand Auger

Core Sampler

Spatula/Spoon

Bowl (stainless)

Split-spoon (2" or 3")

Encore®

Other

☒
☐
☐
☐
☐
☐
☐

Trowel

Shelby Tube

Dredge Sampler

Kemmerer

Extended Arm

Baller

Backhoe

Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water

Alconox

Tap water

HNO₃ (1 or 10%)

Tap Water

Methanol

Hexane

Acetone

Air Dry

DI Water

Air Dry

None

☐
☒
☒
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered (circle)

Preservation Method

Volume Required

Time of Collection

CLP Sample

CLP Case#

☒ SVOCs

YES NO

NA

☒ MCP Metals + Hg

YES NO

NA

☒ pH + ORP

YES NO

NA

☒ Cr+6

YES NO

NA

☐

YES NO

☐

YES NO

1145





Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-33

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both (circle)

Media: (circle)

Surface Soil

Subsurface Soil

Other

Sediment

Surface Water

Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" of brown f-m sand
trace gravel
no fill visible

SAMPLE COLLECTION EQUIPMENT:

Hand Auger

Core Sampler

Spatula/Spoon

Bowl (stainless)

Split-spoon (2" or 3")

Encore®

Other

☒
☐
☐
☐
☐
☐
☐

Trowel

Shelby Tube

Dredge Sampler

Kemmerer

Extended Arm

Bailer

Backhoe

Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water

Alconox

Tap water

HNO₃ (1 or 10%)

Tap Water

Methanol

Hexane

Acetone

Air Dry

DI Water

Air Dry

None

☒
☒
☐
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered (circle)

Preservation Method

Volume Required

Time of Collection

CLP Sample

CLP Case#

☒ SVOCs

YES NO

NA

☒ MCP Metals + Hg

YES NO

NA

☒ pH + ORP

YES NO

NA

☒ Cr+6

YES NO

NA

☐

YES NO

☐

YES NO

11:30





Sample Log Sheet

Project: 29 Elm Street

Project No.: 170023

Date/Time: 6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch/

TRC Personnel:
E. Wachtel / H. Rizza

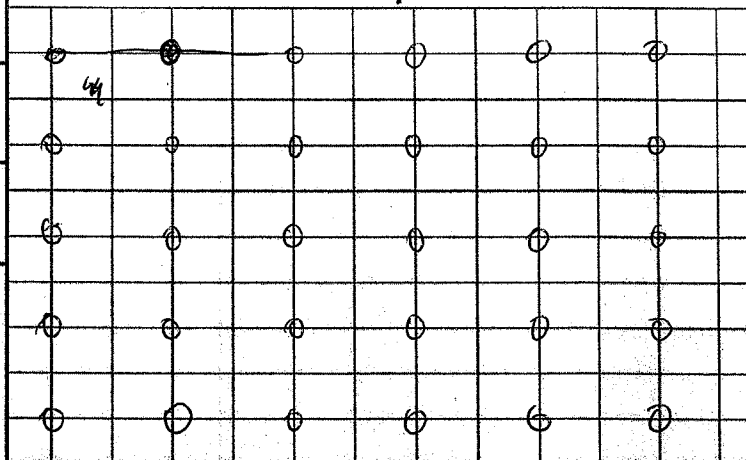
Sample No.: SS-34

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both (circle)

Media: (circle) Surface Soil Sediment
Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location



Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-12" Brown-Tan f-m
sand some gravel
roots in first 6"

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kimmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☒	
Alconox	☒	
Tap water	☒	
HNO ₃ (1 or 10%)	☒	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume Required	Time of Collection	CLP Sample	CLP Case#
☒ SVOCs	YES <u>(NO)</u>	NA		1115		
☒ MCP Metals + Hg	YES <u>(NO)</u>	NA				
☒ pH + ORP	YES <u>(NO)</u>	NA				
☒ Cr+6	YES <u>(NO)</u>	NA				
☐	YES NO					
☐	YES NO					



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-35

Sketch of Sample Location

Depth/Interval Sampled: 0-12"

Sample Type: Grab Composite or Both
(circle)

Media:
(circle)

Surface Soil
Subsurface Soil
Other _____

Sediment
Surface Water
Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Observations:

0-6" Brown fine sand w/ some
med sand, roots, plastic
frags
6-12": 3" Brown fine-med sand
3" Fill material (coal + coal
ash, fabric frags).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger
Core Sampler
Spatula/Spoon
Bowl (stainless)
Split-spoon (2" or 3")
Encore®
Other

☒
☐
☐
☐
☐
☐
☐

Trowel
Shelby Tube
Dredge Sampler
Kimmerer
Extended Arm
Bailer
Backhoe
Van Dorn Bottle

☐
☐
☐
☐
☐
☐
☐

DECONTAMINATION PROCEDURE:

DECON. FLUID USED

DESCRIPTION:

Tap water
Alconox
Tap water
HNO₃ (1 or 10%)
Tap Water
Methanol
Hexane
Acetone
Air Dry
DI Water
Air Dry
None

☒
☒
☒
☐
☐
☐
☐
☐
☐
☐

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr + 6

YES (NO)

NA

☐

YES NO

☐

YES NO

1105



Emilia Wachtel



Sample Log Sheet

Project:
29 Elm Street

Project No.:
170023

Date/Time:
6/14/2010

Sheet 1 of 1

Contractor Personnel:
GeoSearch /

TRC Personnel:
E. Wachtel / H. Rizza

Sample No.: SS-36

Depth/Interval Sampled: 0-12"

Sample Type: (Grab) Composite or Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Field Screening Information:

Type of Meter: Mini Rae

Other Field Measurements:

Sketch of Sample Location

Observations:

0-6" Brown fine-med sand
trace large coal frags.
some roots
6"-12" Brown fine-med sand
and fill (coal + coal ash)

SAMPLE COLLECTION EQUIPMENT:

Hand Auger ☒
Core Sampler ☐
Spatula/Spoon ☐
Bowl (stainless) ☐
Split-spoon (2" or 3") ☐
Encore® ☐
Other ☐

Trowel ☐
Shelby Tube ☐
Dredge Sampler ☐
Kemmerer ☐
Extended Arm ☐
Bailer ☐
Backhoe ☐
Van Dorn Bottle ☐

DECONTAMINATION PROCEDURE:

DECON. FLUID	USED	DESCRIPTION:
Tap water	☒	
Alconox	☒	
Tap water	☒	
HNO ₃ (1 or 10%)	☒	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS

Filtered
(circle)

Preservation
Method

Volume
Required

Time of
Collection

CLP
Sample

CLP
Case#

☒ SVOCs

YES (NO)

NA

☒ MCP Metals + Hg

YES (NO)

NA

☒ pH + ORP

YES (NO)

NA

☒ Cr+6

YES (NO)

NA

☐ _____

YES NO

☐ _____

YES NO

1100



June 2010 Test Pit Log Sheets



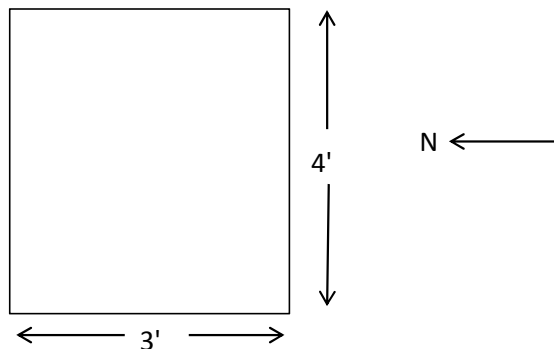
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-101
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-0.5 ft
Fill Interval:	0.5-1 ft
Native Interval:	unknown
Total Test Pit Depth:	1.0 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-101 (0-1/0.5') at 1410 for VOCs, SVOCs, MCP metals, PCBs, and pesticides	0-0.5' Topsoil 0.5-1" Brown fine to medium sand, some fill (glass) Refusal on concrete at approximately 1' bgs	0.0
2	24			
3	36			
4	48			
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



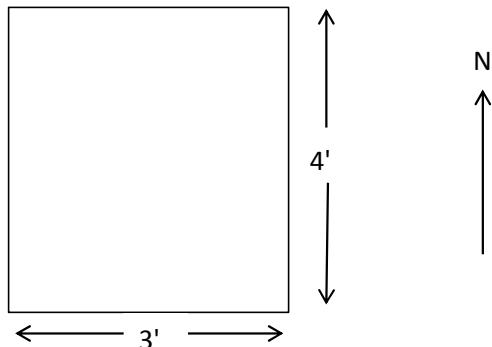
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-102
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Inverval:	0-0.5 ft
Fill Interval:	0.5-2 ft
Native Interval:	unknown
Total Test Pit Depth:	2.0 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-102 (0-2/0.5') at 1400 for VOCs, SVOCs, MCP metals, PCBs, and pesticides	0-0.5' Topsoil with roots and grass at the surface 0.5-2' Brown fine to medium sand, gravel, and fill (glass fragments, coal slag, concrete, wood debris, and roofing shingles)	0.0
2	24		Refusal on concrete at approximately 2' bgs	
3	36			
4	48			
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch

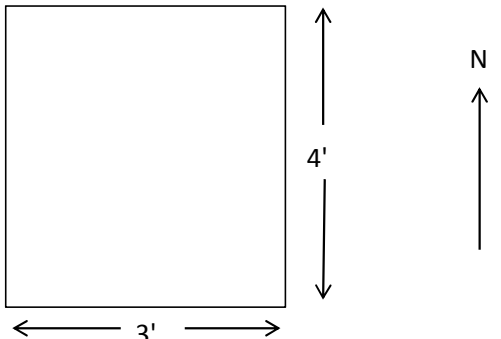


Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-103
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Test Pit Sketch	Notes:
	<u>Proportions Used</u> 0-10% Trace 10-20% Little 20-35% Some 35-50% And



Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-104
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-1.5 ft
Fill Interval:	NA
Native Interval:	0-7 ft
Total Test Pit Depth:	7.0 ft
Water Table Depth:	~4 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0			3" Concrete	
1	12	TP-104 (0-2/2') at 1230 for VOCs, SVOCs, MCP metals, PCBs, and pesticides	0-1.5' Brown topsoil consisting of fine to medium sand, with roots and grass at the surface	0.0
2	24		1.5-7' Tan fine sand with groundwater infiltration from sidewalls at 4'; no fill observed in test pit	
3	36			
4	48			
5	60			
6	72			
7	84		Bottom of excavation at 7'	
8	96			
9	108			
10	120			

Test Pit Sketch	Notes:
3' 4' N	<u>Proportions Used</u> 0-10% Trace 10-20% Little 20-35% Some 35-50% And



Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-105
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-1 ft
Fill Interval:	NA
Native Interval:	unknown
Total Test Pit Depth:	1.0 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0			3" Concrete	
		TP-105 (0-1/0.5') at 1330 for VOCs, SVOCs, MCP metals, PCBs, and pesticides	0-1' Brown topsoil with roots and grass at the surface	0.0
1	12		Refusal on concrete at approximately 1' bgs	
2	24			
3	36			
4	48			
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch 3' 4' N	Notes: <u>Proportions Used</u> 0-10% Trace 10-20% Little 20-35% Some 35-50% And
--	---



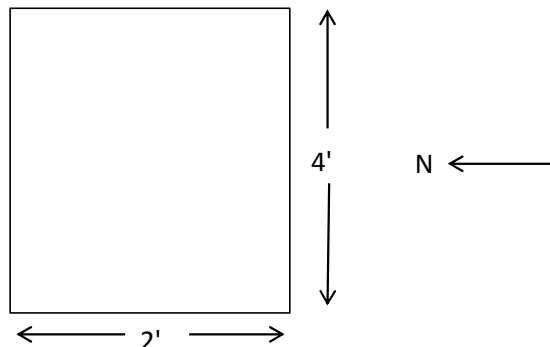
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-106
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-3.5 ft
Native Interval:	unknown
Total Test Pit Depth:	3.5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-106 (0-3/2') at 1400 for VOCs, SVOCs, MCP metals	0-3.5' Building materials consisting of bricks, pipes, shingles (roofing materials, ad wood debris) contained within concrete-lined pit	0.0
2	24			
3	36			
4	48		Refusal on concrete at approximately 3.5' bgs	
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



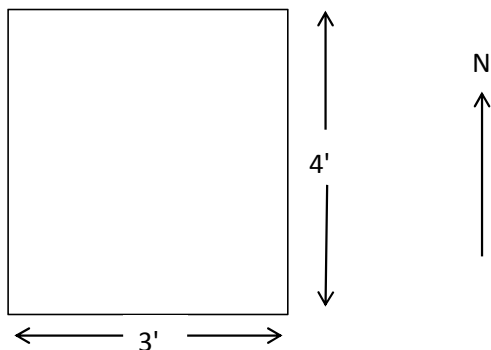
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-107
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-4.5 ft
Native Interval:	>4.5 ft
Total Test Pit Depth:	8 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-107 (0-2/2') at 0920 for VOCs, SVOCs, MCP metals	0-2.5' Brown fine to medium sand, some gravel, and some bricks and concrete at the surface; T pipe observed at 1' below ground surface	0.0
2	24			
3	36	TP-107 (3-4/4') at 0940 for VOCs, SVOCs, MCP metals	2.5-4.5' Coal slag	0.0
4	48		4.5-5.5' Tan fine sand with some clay nodules	
5	60		5.5-7' Tan to gray fine sand	
6	72			
7	84		7-8' Gray to tan to reddish fine sand	
8	96		Bottom of test pit at 8'	
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



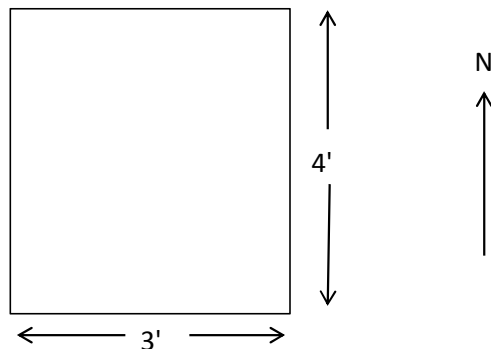
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-108
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-1 ft
Fill Interval:	1-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	6.5 ft
Water Table Depth:	~5.5ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-108 (0-3/2') at 1105 for VOCs, VPH, SVOCs, MCP metals, and EPH	0-1' Brown to black topsoil	0.0
2	24		1-3' Black fine to medium sand with fill including brick, coal slag, and coal frags	
3	36		3-6.5' Tan fine sand with groundwater infiltration at 5.5'	
4	48	TP-108 (4-5/4') at 1120 for VOCs, VPH, SVOCs, MCP metals, and EPH		
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			
			Bottom of excavation at 6.5'	

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



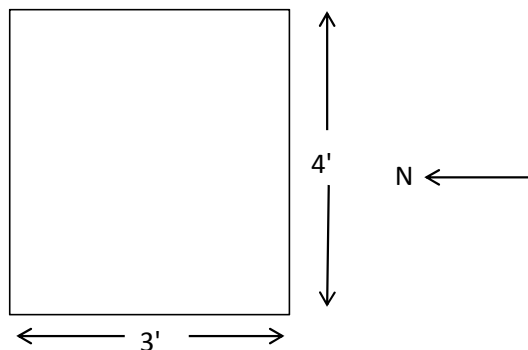
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-109
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/15/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-0.5 ft
Fill Interval:	0.5-3.5 ft
Native Interval:	>4.5 ft
Total Test Pit Depth:	9 ft
Water Table Depth:	~6 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-109 (0-3/2') at 1015 for VOCs, VPH, SVOCs, MCP metals, and EPH	0-0.5' Topsoil with grass 0.5-1' Coal slag 1-2' Tan fine sand	0.0
2	24		2-4.5' Dark brown to black fine sand and fill	
3	36			
4	48	TP-109 (5-6/6') at 1035 for VOCs, VPH, SVOCs, MCP metals, and EPH	4.5-7.5' Tan fine sand wth some rust banding; groundwater seep at ~6'	
5	60			
6	72			
7	84			
8	96		7.5-9' Gray fine sand	
9	108		Bottom of excavation at 9'	
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-110
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-4'
Native Interval:	>4 ft
Total Test Pit Depth:	5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-110 (1-2') at 1230 for SVOCs, MCP metals, and EPH	0-4' Brown fine to medium sand, some fill including concrete, some shoe leather, slag fragments, with a promenant derbis layer at 1-2'	0.0
2	24			
3	36			
4	48		4-5' Tan fine sand, no groundwater encountered	
5	60		Bottom of excavation at 5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch 2' 4' N	Notes: <u>Proportions Used</u> 0-10% Trace 10-20% Little 20-35% Some 35-50% And
--	---



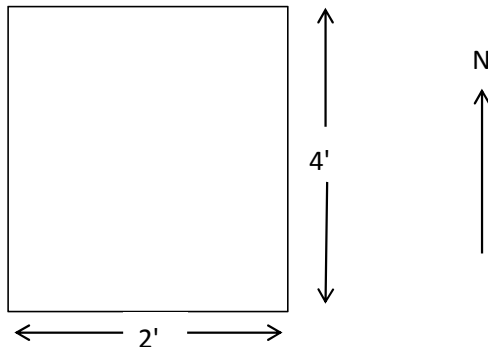
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-111
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	6.5 ft
Water Table Depth:	~6 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-111 (2-3') at 1245 for SVOCs, MCP metals, and EPH	0-3' Brown fine to medium sand, concrete with rebar and the surface, fill including glass, shoe leather, and coal slag	0.0
2	24			
3	36		3-6.5' Tan fine sand	
4	48			
5	60			
6	72			
			Bottom of excavation at 6.5'	
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



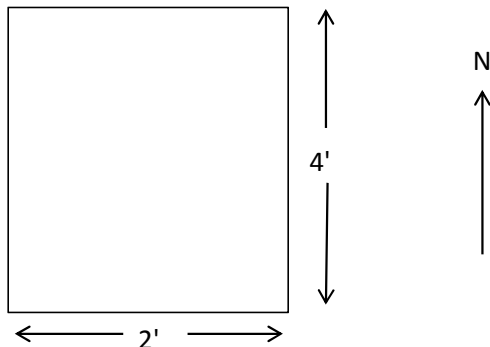
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-112
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-1.5 ft
Native Interval:	>1.5 ft
Total Test Pit Depth:	5.5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-110 (1-1.5') at 1305 for SVOCs, MCP metals, and EPH	0-1' Brown to tan fine sand and roots	0.0
2	24		1-1.5' Black fill consisting of some slag and ash	
3	36		1.5-5.5' Tan to light tan fine sand; no groundwater encountered	
4	48			
5	60			
			Bottom of excavation at 5.5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-113
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Inverval:	NA
Fill Interval:	0-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	5.5 ft
Water Table Depth:	~6 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-113 (1-3') at 1215 for SVOCs, MCP metals, and EPH	0-0.5' Tan-brown fine sand	0.0
2	24		0.5-3' Shoe leather, glass, ash, and slag	
3	36		3-5.5' Tan fine sand, wet	
4	48			
5	60			
			Bottom of excavation at 5.5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch

2'

4'

N

Notes:
<u>Proportions Used</u> 0-10% Trace 10-20% Little 20-35% Some 35-50% And



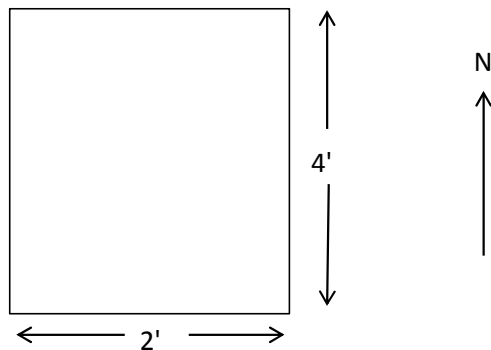
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-114
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	6.5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-114 (2-3') at 1150 for SVOCs, MCP metals, and EPH	0-0.5' Brown fine to medium sand (topsoil) and roots, some gravel, some debris including leather	0.0
			0.5-3' Fill with gravel, metal, glass, slag, coal, wood, and burnt material	
2	24			
3	36		3-4' Peat	
4	48		4-6.5' Tan to gray fine sand	
5	60			
6	72		Bottom of excavation at 6.5'	
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



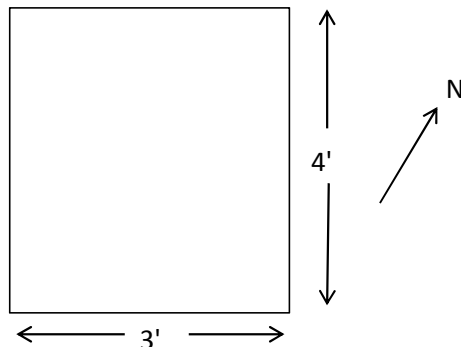
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-115
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-5.5 ft
Native Interval:	>5.5 ft
Total Test Pit Depth:	5.5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-115 (1-4') at 1125 for SVOCs, MCP metals, and EPH	0-0.5' Brown to tan fine sand and roots	0.0
2	24		0.5-5.5' Fill consisting of glass, ash, slag, burnt debris, and shoe leater (clean tan fine sand observed with no debris at 5.5')	
3	36			
4	48			
5	60			
			Bottom of excavation at 5.5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



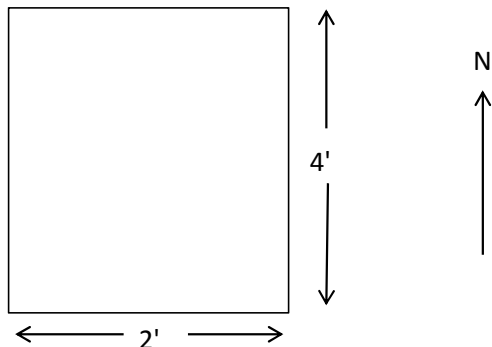
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-116
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-3.5 ft
Native Interval:	>3.5 ft
Total Test Pit Depth:	5.5 ft
Water Table Depth:	5 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-116 (1-2') at 1115 for SVOCs, MCP metals, and EPH	0-0.5' Brown fine to medium sand with roots and debris at the surface, including glass and leather	0.0
2	24		0.5-3.5' Fill consisting of glass, slag, some shoe leather, metal debris, ceramic fragments, and an electrical fuse box at 3'	
3	36			
4	48		3.5-5.5' Tan to light tan fine sand	
5	60			
			Bottom of excavation at 5.5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



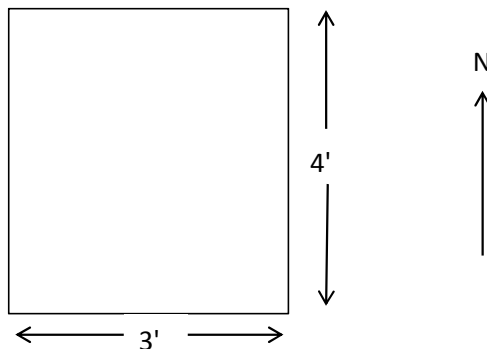
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-117
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-4.5 ft
Native Interval:	>4.5 ft
Total Test Pit Depth:	7 ft
Water Table Depth:	~5 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-117 (3-4') at 0850 for SVOCs, MCP metals, and EPH	0-0.5' Tan to brown fine sand	0.0
2	24		0.5-4.5' Brown to black sand and fill, including shoe leather, ash, plastic, glass, and bottles	
3	36			
4	48		4.5-7' Brown to dark brown fine sand, little gravel, moist to wet	
5	60	TP-117 (5-6') at 0900 for SVOCs, MCP metals, and EPH		
6	72			
7	84		Bottom of excavation at 7'	
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



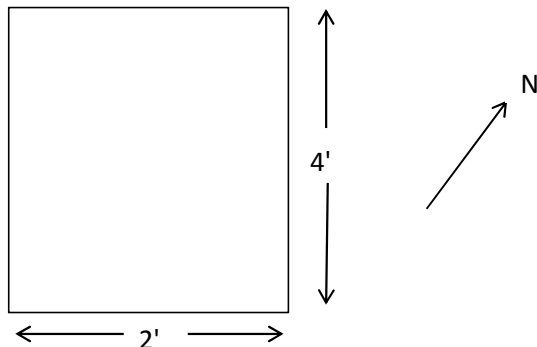
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-118
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-4 ft
Native Interval:	>4 ft
Total Test Pit Depth:	5 ft
Water Table Depth:	~5 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-118 (3-4') at 0905 for SVOCs, MCP metals, and EPH	0-0.5' Brown fine to medium sand and gravel	0.0
2	24		0.5-4' Brown fine to medium sand with fill, including glass, leather shoe material, wire, coal, and ash	
3	36			
4	48		4-5' Brown fine sand, wet	
5	60		Bottom of excavation at 5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



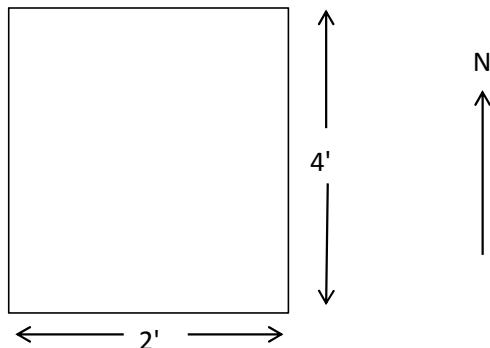
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-119
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-6 ft
Native Interval:	>6 ft
Total Test Pit Depth:	7 ft
Water Table Depth:	~6 ft
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-119 (4-5') at 0930 for SVOCs, MCP metals, and EPH	0-2.5' Brown to tan fine sand with roots	0.0
2	24		2.5-6' Some debris and a tarp, followed by tan to brown fine sand with fill, consisting of black ash, coal, and slag, glass, bottles, and some metal debris; groundwater infiltration at 6'	
3	36			
4	48			
5	60			
6	72		6-7' Light tan fine sand with some medium sand	
7	84		Bottom of excavation at 7'	
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



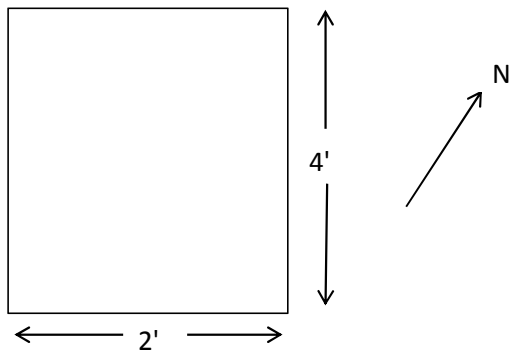
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-120
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	NA
Fill Interval:	0-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	5 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-120 (1-3') at 1000 for SVOCs, MCP metals, and EPH	0-0.5' Brown fine sand and roots	0.0
2	24		0.5-3' Black fine to medium sand and fill, consisting of glass, ash, coal, and cslag, some leather, and metal piping	
3	36		3-5' Tan fine sand	
4	48			
5	60		Bottom of excavation at 5'	
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And



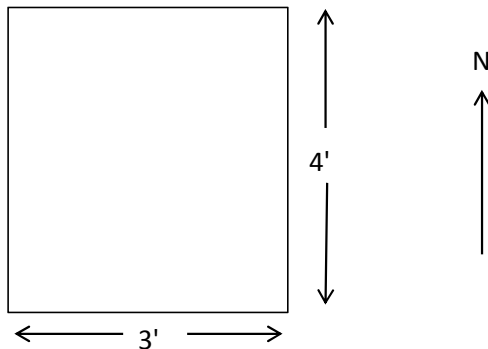
Test Pit Log

Project:	29 Elm Street - Salisbury, MA
Test Pit ID No.:	TP-121
Sheet:	1 of 1
Project Number:	170023
TRC Representative:	H. Rizza
Project Manager:	R. Niles
Date(s) Excavated:	6/16/2010
Contractor:	GeoSearch
Excavator Make/Model:	John Deere 200C LC
Forman:	Roger
PID Make/Model:	Ionscience PhoCheck +

Location Description:	Southeastern portion of Area 3
Sample Collection Method:	Hand Tool
Topsoil Interval:	0-0.5 ft
Fill Interval:	0.5-3 ft
Native Interval:	>3 ft
Total Test Pit Depth:	7 ft
Water Table Depth:	NA
Notes:	

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
1	12	TP-121 (1-3') at 1030 for SVOCs, MCP metals, and EPH	0-0.5' Brown fine to medium sand with roots	0.0
2	24		0.5-3' Fill consisting of ash, coal, slag, shoe leather, glass, and metal debris	
3	36		3-7' Tan to gray fine sand	
4	48			
5	60			
6	72			
7	84		Bottom of excavation at 7'	
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And

June 2010 Soil Boring Log Sheets



Wannalancit Mills
650 Suffolk Street
Lowell MA
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 29 Elm St. Salisbury/170023 SCREEN TYPE/SLOT Schedule 40 - 0.01 slotted
BORING/WELL NUMBER B-5/MW-5 FILTER PACK TYPE Sand Pack
TRC GEOLOGIST E. Wachtel SEAL TYPE Bentonite
DRILLING CONTRACTOR/FOREMAN Geosearch/Aaron Boudreau DEPTH TO WATER (Approximate Feet) 5
DATE DRILLED 6/15/2010 TOTAL DEPTH (Feet) 12
LOCATION West of Concrete Pit GROUND ELEVATION (Feet) _____
SAMPLING METHOD 60" macrocore REFERENCE ELEVATION (Feet) _____
DRILLING METHOD Direct Push 6610DT Track Rig
NOTES Sampled for VOCs, VPH, SVOCs, EPH & MCP 14 Metals

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/40	S-1		0-3" Brown TOPSOIL. 3-7" Gray crushed CONCRETE. 7-9" Black COAL ASH. 9-21" Tan fine SAND, some medium sand.	0.1		PVC Riser in Sand Pack (0-2') Bentonite Seal (0.5-1.5') San Pack (1.5-12') Schedule 40 0.01 slotted screen (2-12')
2					21-40" Black fine SAND, moist to wet at bottom.			
3								
4							B-5 (3-4/4) 1125	
5		60/58	S-2		0-20" Gray to tan fine SAND, wet to saturated.	0.0		
6								
7					20-58" Gray fine-medium SAND.			
8								
9								
10		24/60	S-3		0-16" Black FILL, saturated.	0.0		
11					16-24" Gray to tan fine SAND and SILT, saturated.			
12					End of Boring @ 12 feet			



Wannalancit Mills
650 Suffolk Street
Lowell MA
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 29 Elm St. Salisbury/170023 SCREEN TYPE/SLOT Schedule 40 - 0.01 slotted
BORING/WELL NUMBER B-6/MW-6 FILTER PACK TYPE Sand Pack
TRC GEOLOGIST E. Wachtel SEAL TYPE Bentonite
DRILLING CONTRACTOR/FOREMAN Geosearch/Aaron Boudreau DEPTH TO WATER (Approximate Feet) 4
DATE DRILLED 6/15/2010 TOTAL DEPTH (Feet) 12
LOCATION South of Concrete Pit GROUND ELEVATION (Feet) _____
SAMPLING METHOD 60" macrocore REFERENCE ELEVATION (Feet) _____
DRILLING METHOD Direct Push 6610DT Track Rig
NOTES Sampled for VOCs, VPH, SVOCs, EPH & MCP 14 Metals

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1		60/35	S-1		0-10" Dark-brown to black FILL (coal ash, coal fragments, slag).	1.4		PVC Riser in Sand Pack (0-2') Bentonite Seal (0.5-1.5') San Pack (1.5-12') Schedule 40 0.01 slotted screen (2-12')
2					10-30" Dark-brown to black fine SAND, moist.			
3								
4					30-35" Tan fine-medium SAND.		B-6 (3-4/4) 1200	
5		60/60	S-2		0-20" Tan to orange fine SAND, some silt, saturated.	0.1		
6								
7					20-60" Tan to gray fine SAND, silt, some clay, wet.			
8								
9								
10		24/24	S-3		0-16" Black FILL (orange-stained) fine-medium SAND, saturated.	0.0		
11					16-24" Tan to gray fine SAND, silt, trace clay, saturated.			
12					End of Boring @ 12 feet			

December 2010 Test Pit Log Sheets

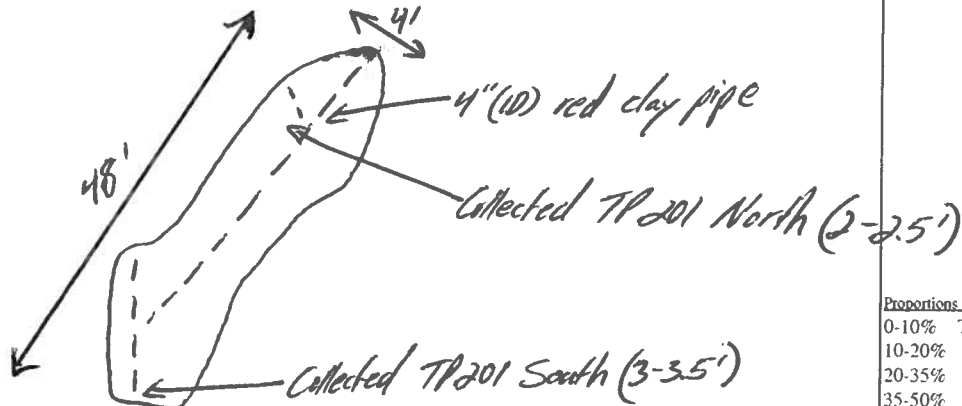


Test Pit Log

Location Description:	Area 1 - SW corner	Project:	29 Elm Street - Salisbury, MA
Sample Collection Method:	Hand Tool	Test Pit ID No.:	TP-201
Topsoil Interval:	NA	Sheet:	1 of 1
Fill Interval:	0-2.5ft	Project Number:	170023
Native Interval:	2.5+ft	TRC Representative:	J. McRobbie
Total Test Pit Depth:	3.5ft	Project Manager:	R. Niles
Water Table Depth:	~3.5ft	Date(s) Excavated:	12/6/2010
Notes:		Contractor:	GeoSearch
		Excavator Make/Model:	John Deere 200C LC
		Forman:	John and Randy
		PID Make/Model:	MiniRac 2000

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0			3" Concrete	
1	12		0-2.5ft - Very fine SAND, little coal ash, trace medium sand	0.0
2	24			
3	36		2.5-3.5ft - Dark brown PEAT, some fine sandy loam.	0.0
			Bottom of Test Pit (3.5ft)	
4	48			
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And

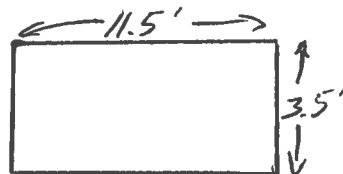


Test Pit Log

Location Description:	Northwest foundation corner	Project:	29 Elm Street - Salisbury, MA
Sample Collection Method:	Hand Tool	Test Pit ID No.:	TP 202
Topsoil Interval:	NA	Sheet:	1 of 1
Fill Interval:	0-8"	Project Number:	170023
Native Interval:	8+"	TRC Representative:	J. McRobbie
Total Test Pit Depth:	4.0ft	Project Manager:	R. Niles
Water Table Depth:	-3.5ft	Date(s) Excavated:	12/7/2010
Notes:		Contractor:	GeoSearch
		Excavator Make/Model:	John Deere 200C LC
		Forman:	John and Randy
		PID Make/Model:	MiniRae 2000

Depth (feet) Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0		3" Concrete	
1 12		0-8" - COAL ASH/SLAG, trace brick	0.0
2 24		8-48+ - Tan fine-medium SAND, moist (Native)	0.0
3 36			
4 48		Bottom of Test Pit (4ft)	
5 60			
6 72			
7 84			
8 96			
9 108			
10 120			

Test Pit Sketch



Notes:

Sampled 2-3 ft w/ VOCs at 2.5ft

Proportions Used

0-10% Trace
10-20% Little
20-35% Some
35-50% And

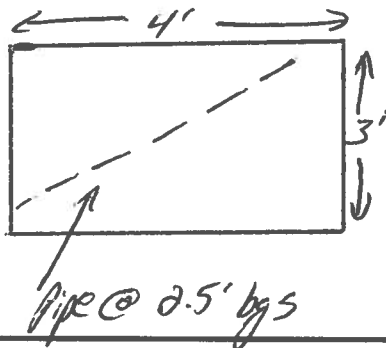


Test Pit Log

Location Description:	Northwest foundation corner <i>Open hole - SE corner</i>	Project:	29 Elm Street - Salisbury, MA
Sample Collection Method:	Hand Tool	Test Pit ID No.:	TP-203
Topsoil Interval:	NA	Sheet:	1 of 1
Fill Interval:	0-3.5+ft	Project Number:	170023
Native Interval:	NA	TRC Representative:	J. McRobbie
Total Test Pit Depth:	3.5ft	Project Manager:	R. Niles
Water Table Depth:	~3.5ft	Date(s) Excavated:	12/7/2010
Notes:		Contractor:	GeoSearch
		Excavator Make/Model:	John Deere 200C LC
		Forman:	John and Randy
		PID Make/Model:	MiniRae 2000

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0				
1	12		0-3.5ft Brown fine sandy LOAM, some ash, trace glass, wood. 4" inner diameter red clay pipe at 2.5ft.	0.0
2	24			
3	36			
			Bottom of Test Pit (3.5ft)	
4	48			
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:
Sample collected at pipe.

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And

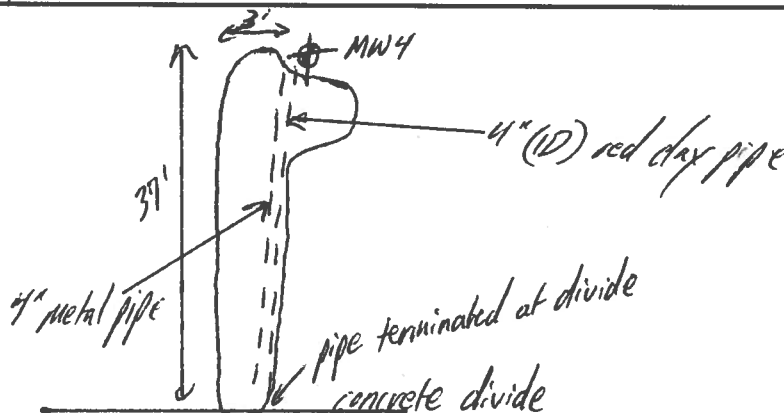


Test Pit Log

Location Description:	Area 2 - South of concrete-lined pit	Project:	29 Elm Street Salisbury, MA
Sample Collection Method:	Hand Tool	Test Pit ID No.:	TP-204
Topsoil Interval:	NA	Sheet:	1 of 1
Fill Interval:	0-10"	Project Number:	170023
Native Interval:	10+"	TRC Representative:	J. McRobbie
Total Test Pit Depth:	4.0ft	Project Manager:	R. Niles
Water Table Depth:	-3.5ft	Date(s) Excavated:	12/7/2010
Notes:		Contractor:	GeoSearch
		Excavator Make/Model:	John Deere 200C LC
		Forman:	John and Randy
		PID Make/Model:	MiniRae 2000

Depth (feet)	Depth (inches)	Sample Number	Sample Description	Field Testing (ppm/v)
0			3" Concrete	
			0 10' COAL ASH/SLAG	0.0
			10 48+" Tan very fine fine SAND (Native)	0.0
1	12			
2	24			
3	36			
4	48		Bottom of Test Pit (4.0ft)	
5	60			
6	72			
7	84			
8	96			
9	108			
10	120			

Test Pit Sketch



Notes:

Proportions Used
0-10% Trace
10-20% Little
20-35% Some
35-50% And

20мл D_N2dzyŘøI-úŜ_N {I-YLJfAyЭ

Log Sheets



Low-flow Groundwater Sampling Data Record

Project: 29 Elm St, Salisbury, MA

Project No.: 169332

Date/Time: 2/11/10 6/24/10
EW

Sheet 1 of 1

TRC Personnel:

Emilie Wachtel

Well Identification:

MW-6

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	☒	☐
Concrete Collar Intact	☒	☐
PVC Stick-up Intact	☒	☐
Well Cap Present	☒	☐
Security Lock Present	☐	☒

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☒ 2 inch
☐ 4 inch
☐ 6 inch

WELL MATERIAL

☒ PVC ☐ SS ☐

Well Depth 14.80 ft.

☒ top of riser ☐ measured
☐ top of casing ☒ historical

Water Depth 9.18 ft.

LNAPL/DNAPL Depth = _____

LOW FLOW DATA

Depth of pump intake: ~13.0

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FIELD WATER QUALITY MEASUREMENTS (records at 5-5 minute intervals)

Time	0910	0920	0930	0935	0940	0945
Temp. (C)	16.56	16.31	16.00	15.77	16.05	16.09
Conduct. (µmhos/cm)	767	779	775	772	768	769
DO (mg/l)	1.17	0.78	0.66	0.64	0.59	0.57
pH (Std. Units)	6.56	6.51	6.50	6.49	6.50	6.49
Eh (millivolts)	10.6	-2.8	-9.9	-14.3	-15.4	-16.7
Turb. (NTU)	9.8	10.1	12.1	11.0	10.62	9.78
Flow (ml/min)	40.20	40.20	40.20	40.20	40.20	40.20
Depth To Water (ft)	10.85	11.06	11.20	11.30	11.35	11.40
Time						
Temp. (C)						
Conduct. (µmhos/cm)						
DO (mg/l)						
pH (Std. Units)						
Eh (millivolts)						
Turb. (NTU)						
Flow (ml/min)						
Depth To Water (ft)						

* Note:
There is significant drawdown but I can't run the pump any slower.

Pump Type

Peristaltic Pump ☐
Submersible Pump ☐
Bladder Pump ☒
Other: _____

Purge

Sample

Description of Sampling Equipment and Flow Rate:

YSI 600 XL w/ 650 MDS Display, LaMotte 2020, Bladder Pump (1.75 size), Solinst Interface Probe, Thermo 580B OVM PID, QED Compressor3020, Micropurge MP10 Control Box, and teflon tubing

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	6x40mL	0945	MW6/28-1	
VPH	N	HCl	6x40mL	0945		
SVOCs	N	Ice	4x1L	0945		
EPH	N	HCl	4x1L	0945		
Total/Diss. Metals	N/Y	HNO ₃	4x 250mL	0945		

* took DUP-1 here

Emilie Wachtel



Low-flow Groundwater Sampling Data Record

Project: 29 Elm St, Salisbury, MA

Project No.: 169332

Date/Time: 7/11/10 6/24/10

Sheet 1 of 1

TRC Personnel:

Emilie Wachtel

Well Identification:

MW-5

WELL INTEGRITY

Protect. Casing Secure ☒ YES ☐ NO
Concrete Collar Intact ☒
PVC Stick-up Intact ☒
Well Cap Present ☒
Security Lock Present ☒

Protective Casing Stick-up (from ground) ~3 ft.

Well Depth 1485 ft.

☒ top of riser ☐ measured

☐ top of casing ☒ historical

Riser Stick-up (from ground) " " ft.

Water Depth 810 ft.

LNAPL/DNAPL Depth =

LOW FLOW DATA

Thickness =

Depth of pump Intake: ~11.48

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL (record changes)

PID SCREENING MEAS.

Background 0.0

Well Mouth 0.0

WELL MATERIAL

☒ PVC

☐ SS

Flow rate at time of sampling:

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	11:20	11:30	11:55	12:05	12:15	12:25	12:35	12:45	12:50
Temp. (C)	18.05	17.21	17.07	16.75	17.01	17.53	17.61	18.04	18.18
Conduct. (umhos/cm)	868	862	868	864	854	848	844	843	844
DO (mg/l)	1.24	0.80	0.90	1.74	1.89	2.14	2.31	2.68	2.87
pH (Std. Units)	6.26	6.08	5.89	5.87	5.86	5.84	5.84	5.80	5.78
Eh (millivolts)	19.4	13.0	30.6	20.3	26.7	33.1	37.5	57.7	67.9
Turb. (NTU)	80.0	45.8	80.0	186.0	134	94.9	64.8	44.3	34.2
Flow (ml/min)	40	40	40	40	40	40	40	40	40
Depth To Water (ft)	8.77	9.34	9.98	10.74	10.90	10.94	10.99	10.89	10.91

Time	12:53	12:56	12:59						
Temp. (C)	18.15	18.10	18.10						
Conduct. (umhos/cm)	843	844	844						
DO (mg/l)	2.98	2.96	2.97						
pH (Std. Units)	5.75	5.76	5.76						
Eh (millivolts)	75.5	81.0	83.5						
Turb. (NTU)	28.2	29.5	29.8						
Flow (ml/min)	40	40	40						
Depth To Water (ft)	10.98	10.91	10.94						

Pump Type

Peristaltic Pump ☐
Submersible Pump ☐
Bladder Pump ☒
Other: ☐

Purge

Sample

Description of Sampling Equipment and Flow Rate:

YSI 600 XL w/ 650 MDS Display, LaMotte 2020, Bladder Pump (1.75 size), Solinst Interface Probe, Thermo 580B OVM PID, QED Compressor3020, Micropurge MP10 Control Box, and teflon tubing

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	3x40ml	1300	MW-5	
VPH	N	HCl	3x40ml			
SVOCs	N	None	2x1L			
EPH	N	HCl	2x1L			
Total/Diss. Metals	N/Y	HNO ₃	2x500ml			



Low-flow Groundwater Sampling Data Record

Project:
29 Elm St, Salisbury, MA

Project No.:
169332

Date/Time:
7/7/10 6/24/10
EW

Sheet 1 of 1

TRC Personnel:

Emilie Wachtel

Well Identification:

MW-2

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	☒	☐
Concrete Collar Intact	☒	☐
PVC Stick-up Intact	☒	☐
Well Cap Present	☒	☐
Security Lock Present	☐	☒

Protective Casing Stick-up (from ground) ~3 ft.

Well Depth 12.92 ft. ☒ top of riser ☒ measured top of casing ☐ historical

Riser Stick-up (from ground) ~3 ft.

Water Depth 7.66 ft. LNAPL/DNAPL Depth =

WELL DIAMETER ☒ 2 inch ☐ 4 inch ☐ 6 inch

LOW FLOW DATA Thickness =

Depth of pump Intake: ~10.30

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 mL/min):

Adjusted purge Rates/time/WL (record changes)

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

WELL MATERIAL

☒ PVC ☐ SS ☐

Flow rate at time of sampling:

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1410	1415	1425	1430	1440	1453	1456	1449		
Temp. (C)	19.80	19.46	19.17	19.11	19.16	19.33	19.34	19.36		
Conduct. (µmhos/cm)	2985	3121	3845	4015	4043	4106	4118	4121		
DO (mg/l)	1.02	0.81	0.82	0.90	0.96	1.06	1.07	1.06		
pH (Std. Units)	5.41	5.35	5.28	5.24	5.22	5.19	5.19	5.19		
Eh (millivolts)	145.4	163.2	186.8	200.6	209.5	224.7	226.2	228.3		
Turb. (NTU)	21.3	6.47	4.30	4.18	4.03	2.76	1.98	1.90		
Flow (mL/min)	40	40	40	40	40	40	40	40		
Depth To Water (ft)	7.95	8.05	8.10	7.95	7.95	7.95	7.95	7.95		
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (mL/min)										
Depth To Water (ft)										

Pump Type

Peristaltic Pump
Submersible Pump
Bladder Pump
Other:

Purge

Sample

Description of Sampling Equipment and Flow Rate:

YSI 600 XL w/ 650 MDS Display, LaMotte 2020, Bladder Pump (1.75 size), Solinst Interface Probe, Thermo 580B OVM PID, QED Compressor3020, Micropurge MP10 Control Box, and teflon tubing

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HPL	3x40mL	1450	MW-2	
VPH	N	HPL	3x40mL			
SVOCs	N	None	6x1L			
EPH	N	HPL	2x1L			
Total/Diss. Metals	N/Y	HNO ₃	6x80mL			

ms/mo
for SOCs,
ms/our
for metals
here

APPENDIX C

ANALYTICAL DATA REPORTS

2008 Lab Reports



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: 29 ELM STREET, SALISBURY

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	SUBCONTRACT LAB (IF ANY)
B-1/MW1-3-4	08B13866	SOIL	Not Specified	eph - solid 04	
B-1/MW1-3-4	08B13866	SOIL	Not Specified	solids eph/vph	
B-1/MW1-3-4	08B13866	SOIL	Not Specified	vph - solid 04	
B-1/MW1-3-4	08B13877	SOIL	Not Specified	6010 drywt mcp	
B-1/MW1-3-4	08B13877	SOIL	Not Specified	8270 mcp drywt	
B-1/MW1-3-4	08B13877	SOIL	Not Specified	hg (mg/kg) dw	
B-2/MW2-3-4	08B13867	SOIL	Not Specified	eph - solid 04	
B-2/MW2-3-4	08B13867	SOIL	Not Specified	solids eph/vph	
B-2/MW2-3-4	08B13867	SOIL	Not Specified	vph - solid 04	
B-2/MW2-3-4	08B13878	SOIL	Not Specified	6010 drywt mcp	
B-2/MW2-3-4	08B13878	SOIL	Not Specified	8270 mcp drywt	
B-2/MW2-3-4	08B13878	SOIL	Not Specified	hg (mg/kg) dw	
*B-3/MW3-0-1	08B13868	SOIL	Not Specified	eph - solid 04	
*B-3/MW3-0-1	08B13868	SOIL	Not Specified	solids eph/vph	
*B-3/MW3-0-1	08B13868	SOIL	Not Specified	vph - solid 04	
B-3/MW3-0-1	08B13879	SOIL	Not Specified	6010 drywt mcp	
B-3/MW3-0-1	08B13879	SOIL	Not Specified	8270 mcp drywt	
B-3/MW3-0-1	08B13879	SOIL	Not Specified	hg (mg/kg) dw	
TP-001-4	08B13869	SOIL	Not Specified	eph - solid 04	
TP-001-4	08B13869	SOIL	Not Specified	solids eph/vph	
TP-001-4	08B13869	SOIL	Not Specified	vph - solid 04	
TP-001-4	08B13880	SOIL	Not Specified	6010 drywt mcp	
TP-001-4	08B13880	SOIL	Not Specified	8082 drywt	
TP-001-4	08B13880	SOIL	Not Specified	8270 mcp drywt	
TP-001-4	08B13880	SOIL	Not Specified	hg (mg/kg) dw	
TP-002 WATER	08B13871	WATER OTHE	Not Specified	8260 mcp water	
TP-002-SOIL	08B13870	SOIL	Not Specified	eph - solid 04	
TP-002-SOIL	08B13870	SOIL	Not Specified	solids eph/vph	
TP-002-SOIL	08B13870	SOIL	Not Specified	vph - solid 04	
TP-002-SOIL	08B13881	SOIL	Not Specified	6010 drywt mcp	
TP-002-SOIL	08B13881	SOIL	Not Specified	8260 mcp drywt	
TP-002-SOIL	08B13881	SOIL	Not Specified	8270 mcp drywt	
TP-002-SOIL	08B13881	SOIL	Not Specified	hg (mg/kg) dw	
TP-003-3	08B13872	SOIL	Not Specified	eph - solid 04	
TP-003-3	08B13872	SOIL	Not Specified	solids eph/vph	
TP-003-3	08B13872	SOIL	Not Specified	vph - solid 04	
TP-003-3	08B13882	SOIL	Not Specified	6010 drywt mcp	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

TP-003-3	08B13882	SOIL	Not Specified	8270 mcp drywt
TP-003-3	08B13882	SOIL	Not Specified	hg (mg/kg) dw
TP-004-7	08B13873	SOIL	Not Specified	eph - solid 04
TP-004-7	08B13873	SOIL	Not Specified	solids eph/vph
TP-004-7	08B13873	SOIL	Not Specified	vph - solid 04
TP-004-7 QC	08B13883	SOIL	Not Specified	6010 drywt mcp
TP-004-7 QC	08B13883	SOIL	Not Specified	8270 mcp drywt
TP-004-7 QC	08B13883	SOIL	Not Specified	hg (mg/kg) dw
*TP-005-3	08B13874	SOIL	Not Specified	eph - solid 04
*TP-005-3	08B13874	SOIL	Not Specified	solids eph/vph
*TP-005-3	08B13874	SOIL	Not Specified	vph - solid 04
*TP-005-3	08B13884	SOIL	Not Specified	6010 drywt mcp
*TP-005-3	08B13884	SOIL	Not Specified	8270 mcp drywt
*TP-005-3	08B13884	SOIL	Not Specified	hg (mg/kg) dw
TP-006-2	08B13875	SOIL	Not Specified	eph - solid 04
TP-006-2	08B13875	SOIL	Not Specified	solids eph/vph
TP-006-2	08B13875	SOIL	Not Specified	vph - solid 04
TP-006-2	08B13885	SOIL	Not Specified	6010 drywt mcp
TP-006-2	08B13885	SOIL	Not Specified	8270 mcp drywt
TP-006-2	08B13885	SOIL	Not Specified	hg (mg/kg) dw
TP-007-6	08B13886	SOIL	Not Specified	8260 mcp drywt
TP-007-6	08B13886	SOIL	Not Specified	8270 mcp drywt
TP-007-6	08B13886	SOIL	Not Specified	solids (percent)
TP-008-2	08B13887	SOIL	Not Specified	8260 mcp drywt
TP-008-2	08B13887	SOIL	Not Specified	8270 mcp drywt
TP-008-2	08B13887	SOIL	Not Specified	solids (percent)
TP-901-4	08B13888	SOIL	Not Specified	8082 drywt
TP-901-4	08B13888	SOIL	Not Specified	solids (percent)
TP-903-3	08B13876	SOIL	Not Specified	eph - solid 04
TP-903-3	08B13876	SOIL	Not Specified	solids eph/vph
TP-903-3	08B13876	SOIL	Not Specified	vph - solid 04
TP-905-3	08B13889	SOIL	Not Specified	6010 drywt mcp
TP-905-3	08B13889	SOIL	Not Specified	8270 mcp drywt
TP-905-3	08B13889	SOIL	Not Specified	hg (mg/kg) dw
TP-905-3	08B13889	SOIL	Not Specified	solids (percent)
TRIP BLANK	08B13890	LIQUIDS	Not Specified	8260 mcp solid



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMIT-15298

REVISED REPORT - 05/15/2008 - MULTIPLE REVISIONS FOR VOC'S, SVOC'S AND METALS WERE MADE TO THIS REPORT BASED ON AN E-MAIL FROM LIZ DENLY ON 5/12/2008.

CASE NARRATIVE SUMMARY

IN METHOD 8260 WATER, ANY REPORTED RESULTS FOR 1,4-DIOXANE AND BROMOMETHANE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8260 SOIL, ANY REPORTED RESULTS FOR BROMOMETHANE, 1,4-DIOXANE, 2,2-DICHLOROPROPANE, CARBON TETRACHLORIDE, TRANS-1,3-DICHLOROPROPENE, AND 1,2-DIBROMO-3-CHLOROPROPANE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN EPH METHOD, FOR LFBLANK-78275, LABORATORY FORTIFIED BLANK DUPLICATE RPD IS OUTSIDE CONTROL LIMITS FOR THE C9-C18 ALIPHATIC RANGE AND THE C19-36 ALIPHATIC RANGE. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULT FOR THESE RANGES.

IN METHOD 8270, FOR SAMPLE(S) 08B13877-08B13889, THE REPORTED RESULTS FOR PENTACHLORONITROBENZENE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8270, FOR SAMPLE(S) 08B13887, 08B13879, 08B13880, AND 08B13889, THE REPORTED RESULTS FOR 2,4-DI-NITRO-PHENOL ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8270, FOR SAMPLE(S) 08B13882, 08B13886, 08B13884, 08B13883, AND 08B13887, THE REPORTED RESULTS FOR 3,3-DICHLOROBENZIDINE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8270, FOR SAMPLE(S) 08B13877-08B13880, AND 08B13882-08B13889, THE LABORATORY FORTIFIED BLANK RECOVERY FOR FLUORANTHENE IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE HIGH SIDE.

IN METHOD 8270, FOR SAMPLE 08B13881, THE LABORATORY FORTIFIED BLANK RECOVERY FOR PENTACHLOROPHENOL IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

IN METHOD 8270, FOR SAMPLE 08B13883 MATRIX SPIKE RECOVERY FOR 2-METHYLPHENOL AND 4-METHYLPHENOL IS OUTSIDE OF CONTROL LIMITS, BUT DUPLICATE MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE-TIME ANOMALY.

IN METHOD 8270, FOR SAMPLE 08B13883, MATRIX SPIKE DUPLICATE RPD FOR ANILINE, BENZO(GH)PERYLENE, DIBENZ(AH)ANTHRACENE, INDENO(123)PYRENE, 2,4-DINITROPHENOL, 2-METHYLPHENOL, 4-METHYLPHENOL, AND ACETOPHENONE IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

THERE ARE NO OTHER ANALYTICAL ISSUES AFFECTING THE USABILITY OF THE DATA

DETAILED CASE NARRATIVE



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

METHOD SW846-7471A

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 7471A UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 7471A WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 7471A EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE AND LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AS WELL AS LCS RPD, FOR REQUIRED MCP DATA ENHANCEMENT MERCURY 7471A WERE ALL WITHIN REQUIRED CONTROL LIMITS EXCEPT AS LISTED BELOW: NONE OUTSIDE CONTROL LIMITS

THE 7471A METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 7471A MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: A SAMPLE DUPLICATE AND MATRIX SPIKE WERE PERFORMED ON SAMPLE 08B13883. THE SAMPLE DUPLICATE IS NOT REPORTED DUE TO NON DETECT SAMPLE AND DUPLICATE RESULTS.

METHOD SW846 8260 WATER

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8260 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8260 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

THE 8260 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 8260 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION
08B13871	100X

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8260 EXCEPT THAT RESPONSE FACTOR FOR 1,4-DIOXANE IS LESS THAN 0.05, AND/OR EXCEPT AS LISTED BELOW:

ANY REPORTED RESULTS FOR 1,4-DIOXANE AND BROMOMETHANE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

LABORATORY CONTROL SAMPLE RECOVERIES FOR REQUIRED MCP DATA ENHANCEMENT 8260 COMPOUNDS WERE ALL WITHIN LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RECOVERY CONTROL LIMITS OF 40-160% ARE USED AND/OR UNLESS LISTED BELOW:

DIFFICULT ANALYTES: MIBK, MEK, TETRACHLOROETHYLENE, ACETONE, 1,4-DIOXANE, VINYL CHLORIDE,



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

CHLOROMETHANE, DICHLORODIFLUOROMETHANE, 2-HEXANONE, NAPHTHALENE AND BROMOMETHANE
ADDITIONAL DIFFICULT ANALYTES IN WATER ONLY: 2,2-DICHLOROPROPANE, AND TERT-BUTYLETHYL ETHER

ADDITIONAL DIFFICULT ANALYTES IN SOIL ONLY: CHLOROETHANE,
1,2,3-TRICHLOROPROPANE, 1,2,4-TRICHLOROBENZENE, METHYLENE CHLORIDE, N-BUTYLBENZENE,
AND TERT-BUTYLBENZENE

DUPLICATE LABORATORY FORTIFIED BLANK RPDs WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RPDs OF 50% ARE USED AND/OR UNLESS LISTED BELOW:

DIFFICULT ANALYTE: 1,4-DIOXANE
ADDITIONAL DIFFICULT ANALYTES FOR SOIL ONLY: ACETONE, MEK, CHLOROETHANE, BROMOMETHANE,
AND 2-HEXANONE

COMPOUNDS OUTSIDE OF CONTROL LIMITS:

LABORATORY FORTIFIED BLANK AND DUPLICATE RECOVERIES FOR BROMOMETHANE ARE OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE NOT DETECTED FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

ALL 8260 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

8260 QC SURROGATE RECOVERIES

BLANK-11659

D4-1,2-DICHLOROETHANE:	105%
D8-TOLUENE:	95.1%
BROMOFLUOROBENZENE:	96.7%

LFBLANK-78142	LFB	LFB DUPLICATE
---------------	-----	---------------

D4-1,2-DICHLOROETHANE:	102%	102%
D8-TOLUENE:	96.3%	98.0%
BROMOFLUOROBENZENE:	103%	101%

ALL 8260 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPDs, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 8260 UNLESS NOTED BELOW:
ALL RESULTS WERE REPORTED.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW: NOT REQUESTED

METHOD SW846-6010

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 6010 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 6010 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 6010 EXCEPT AS LISTED BELOW: ALL STANDARDS MET

INTERFERENCE CHECK STANDARDS (ICSA & ICSAB) VERIFIED INTER-ELEMENT SPECTRAL INTERFERENCE CORRECTIONS, WITH CONTROL LIMITS OF 80-120% FOR ALL ANALYTES, EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE AND LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AS WELL AS LCS RPD, FOR REQUIRED MCP DATA ENHANCEMENT 6010 ELEMENTS WERE ALL WITHIN REQUIRED CONTROL LIMITS EXCEPT AS LISTED BELOW: NONE OUTSIDE CONTROL LIMITS

THE 6010 METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 6010 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: SAMPLE DUPLICATE, MS, MSD, POST SPIKE, AND DILUTION TEST PERFORMED ON SAMPLE 08B13883. THE DUPLICATE IS NOT REPORTED FOR AG, AS, BE, CD, SB, SE, TL DUE TO NON DETECT SAMPLE AND DUPLICATE RESULTS.

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 6010 UNLESS NOTED BELOW:
ALL RESULTS WERE REPORTED

METHOD SW846 8260 SOIL

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8260 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8260 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

THE 8260 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 8260 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE(S)	DILUTION(S)
08B13881	10X AND UNDILUTE

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8260 EXCEPT THAT RESPONSE FACTOR FOR 1,4-DIOXANE IS LESS THAN 0.05, AND/OR EXCEPT AS LISTED BELOW:

ANY REPORTED RESULTS FOR BROMOMETHANE, 1,4-DIOXANE, 2,2-DICHLOROPROPANE, CARBON TETRACHLORIDE, TRANS-1,3-DICHLOROPROPENE, AND 1,2-DIBROMO-3-CHLOROPROPANE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

LABORATORY CONTROL SAMPLE RECOVERIES FOR REQUIRED MCP DATA ENHANCEMENT 8260 COMPOUNDS WERE ALL WITHIN LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RECOVERY CONTROL LIMITS OF 40-160% ARE USED AND/OR UNLESS LISTED BELOW:



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

DIFFICULT ANALYTES: MIBK, MEK, TETRACHLOROETHYLENE, ACETONE, 1,4-DIOXANE, VINYL CHLORIDE, CHLOROMETHANE, DICHLORODIFLUOROMETHANE, 2-HEXANONE, NAPHTHALENE AND BROMOMETHANE
ADDITIONAL DIFFICULT ANALYTES IN WATER ONLY: 2,2-DICHLOROPROPANE, AND TERT-BUTYLETHYL ETHER

ADDITIONAL DIFFICULT ANALYTES IN SOIL ONLY: CHLOROETHANE,
1,2,3-TRICHLOROPROPANE, 1,2,4-TRICHLOROBENZENE, METHYLENE CHLORIDE, N-BUTYLBENZENE,
AND TERT-BUTYLBENZENE

DUPLICATE LABORATORY FORTIFIED BLANK RPDs WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RPDs OF 50% ARE USED AND/OR UNLESS LISTED BELOW:

DIFFICULT ANALYTE: 1,4-DIOXANE
ADDITIONAL DIFFICULT ANALYTES FOR SOIL ONLY: ACETONE, MEK, CHLOROETHANE, BROMOMETHANE,
AND 2-HEXANONE

COMPOUNDS OUTSIDE OF CONTROL LIMITS:

LABORATORY FORTIFIED BLANK AND DUPLICATE RECOVERIES FOR TRANS-1,3-DICHLOROPROPENE AND 1,2-DIBROMO-3-CHLOROPROPANE ARE OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE NOT DETECTED FOR THESE COMPOUNDS AND BIAS IS ON THE HIGH SIDE.

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY FOR 2,2-DICHLOROPROPANE IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.

ALL 8260 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

8260 QC SURROGATE RECOVERIES

BLANK-116522 AND 116524

D4-1,2-DICHLOROETHANE:	105%
D8-TOLUENE:	98.7%
BROMOFLUOROBENZENE:	99.8%

LFBLANK-78095 AND 78097	LFB	LFB DUPLICATE
-------------------------	-----	---------------

D4-1,2-DICHLOROETHANE:	105%	106%
D8-TOLUENE:	99.7%	99.3%
BROMOFLUOROBENZENE:	99.6%	102%

ALL 8260 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPDs, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 8260 UNLESS NOTED BELOW:
ALL RESULTS WERE REPORTED.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW: NOT REQUESTED

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH) MADEP-EPH-04-1.1



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE EPH METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL EPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW:
ALL PROPERLY PRESERVED

SOLID SAMPLES, IF ANY, IN THE BATCH WERE EXTRACTED BY THE FOLLOWING METHOD:
MICROWAVE: SW846 3546

SPE CARTRIDGE CONTAMINATION WITH NON-PETROLEUM COMPOUNDS, IF PRESENT, IS VERIFIED BY GC/MS IN EACH METHOD BLANK PER EXTRACTION BATCH AND EXCLUDED FROM C11-C22 AROMATIC RANGE FRACTION IN ALL SAMPLES IN THE BATCH. THE EPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMITS EXCEPT WHERE LISTED BELOW:
BLANK-116699 WAS EXTRACTED WITH SAMPLES 08B13866-08B13869, 08B13872-08B13873, AND 08B13875-08B13876: NO CONTAMINATION NOTED
BLANK-116700 WAS EXTRACTED WITH SAMPLES 08B13870 AND 08B13874: NO CONTAMINATION NOTED

ALL EPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION(S)
08B13870	X5
08B13874	X5 AND UNDILUTE

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR EPH METHOD EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL EPH TARGET COMPOUNDS AND RANGES, INCLUDING NAPHTHALENE AND 2-METHYLNAPHTHALENE BREAKTHROUGH INTO THE ALIPHATIC FRACTION WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW:

LFBANK-78274 WAS EXTRACTED WITH SAMPLES 08B13866-08B13869, 08B13872-08B13873, AND 08B13875-08B13876: NONE OUTSIDE CONTROL LIMITS
LFBANK-78275 WAS EXTRACTED WITH SAMPLES 08B13870 AND 08B13874: LABORATORY FORTIFIED BLANK DUPLICATE RPD IS OUTSIDE CONTROL LIMITS FOR THE C9-C18 ALIPHATIC RANGE AND THE C19-36 ALIPHATIC RANGE.
REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULT FOR THESE RANGES.

ALL EPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS
EPH QC SURROGATE RECOVERIES

BLANK-116699

2-FLUOROBIPHENYL:	107%
2-BROMONAPHTHALENE:	107%
CHLOROOCATADECANE:	76.2%
O-TERPHENYL:	88.8%

LFBANK-78274	LFB	LFB DUPLICATE
2-FLUOROBIPHENYL:	102%	99.9%
2-BROMONAPHTHALENE:	102%	100%
CHLOROOCATADECANE:	72.8%	63.7%
O-TERPHENYL:	88.3%	83.6%



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

EPH QC SURROGATE RECOVERIES

BLANK-116700

2-FLUOROBIPHENYL:	108%
2-BROMONAPHTHALENE:	108%
CHLOROOCETANE:	77.8%
O-TERPHENYL:	95.2%

LFBLANK-78275

	LFB	LFB DUPLICATE
2-FLUOROBIPHENYL:	120%	100%
2-BROMONAPHTHALENE:	119%	99.6%
CHLOROOCETANE:	52.3%	78.0%
O-TERPHENYL:	97.8%	85.3%

EPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

METHOD SW846 8082

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8082 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8082 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

SOLID SAMPLES, IF ANY, IN THE BATCH WERE EXTRACTED BY THE FOLLOWING METHOD:
MICROWAVE: SW846 3546

THE 8082 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8082 EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND DUPLICATE LABORATORY FORTIFIED BLANK RPDs FOR REQUIRED MCP DATA ENHANCEMENT 8082 ISOMERS WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW:
NONE OUTSIDE OF CONTROL LIMITS

ALL 8082 SURROGATE STANDARD RECOVERIES OF REPORTED RESULTS WERE WITHIN CONTROL LIMITS SPECIFIED
BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

SURROGATE STANDARD RECOVERIES OF CONFIRMATION RESULTS ARE
REPORTED BELOW:

PCB QC SURROGATE RECOVERIES



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
BLANK-116735

COLUMN #1
TETRACHLORO-M-XYLENE: 80.5%
DECACHLOROBIPHENYL: 81.2 %

COLUMN #2
TETRACHLORO-M-XYLENE: 82.2%
DECACHLOROBIPHENYL: 83.5 %

LFBLANK-78313 LFB LFB DUPLICATE

COLUMN #1
TETRACHLORO-M-XYLENE: 90.0% 79.0%
DECACHLOROBIPHENYL: 95.0% 80.5%

COLUMN #2
TETRACHLORO-M-XYLENE: 92.5% 82.5%
DECACHLOROBIPHENYL: 97.5% 84.5%

SAMPLE # 08B13880

CONFIRMATION COLUMN
TETRACHLORO-M-XYLENE 97.5%
DECACHLOROBIPHENYL 96.8%

SAMPLE # 08B13888

CONFIRMATION COLUMN
TETRACHLORO-M-XYLENE 89.2%
DECACHLOROBIPHENYL 90.5%

ALL 8082 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPDs, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED AND/OR NONE PERFORMED

ALL POSITIVE PCB RESULTS WERE CONFIRMED ON A SECOND DISSIMILAR COLUMN WITH AN RPD LESS THAN OR EQUAL TO 40% BETWEEN THE RESULTS UNLESS LISTED BELOW: ALL CONFIRMED

ALL 8082 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:
NO DILUTIONS WERE PERFORMED

VOLATILE PETROLEUM HYDROCARBONS (VPH) MADEP-VPH-04-1.1

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE VPH METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL VPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2; SOIL SAMPLES IN METHANOL WITH A SOIL/METHANOL RATIO OF 1:1 +/- 25% COMPLETELY COVERED BY METHANOL) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW: SOIL/METHANOL RATIO DOES MEET METHOD SPECIFICATIONS FOR SAMPLES 08B13868 AND 08B13874 AT 0.65 AND 0.68 RESPECTIVELY. INSUFFICIENT AMOUNT OF SOIL. DETECTION LIMITS MAY BE ABOVE USEFUL



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

LEVELS

SAMPLE	SOIL/METHANOL RATIO
08B13868	0.65
08B13874	0.68

THE VPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL VPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION(S)
08B13870	X5 AND UNDILUTE

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR THE VPH METHOD EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL VPH COMPONENT STANDARD COMPOUNDS WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

ALL VPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS
VPH QC SURROGATE RECOVERIES

BLANK-116727

2,5-DIBROMOTOLUENE PID 80.6%

BLANK-116729

2,5-DIBROMOTOLUENE FID 77.0%

LFBLANK-78304 LFB LFB DUPLICATE

2,5-DIBROMOTOLUENE PID 93.5% 88.9%

LFBLANK-78308 LFB LFB DUPLICATE

2,5-DIBROMOTOLUENE FID 86.0% 84.4%

MATRIX SPIKE SAMPLE 08B13875 MS MS DUPLICATE

2,5-DIBROMOTOLUENE PID: 122% 124%

2,5-DIBROMOTOLUENE FID: 116% 117%

VPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: MATRIX SPIKE AND MATRIX SPIKE DUPLICATE WERE PERFORMED ON SAMPLE 08B13875.

RESULTS FOR ALL ANALYTE-LIST COMPOUNDS WERE REPORTED FOR VPH UNLESS LISTED BELOW:
ALL REPORTED



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
METHOD SW846 8270

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8270 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8270 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

SOLID SAMPLES, IF ANY, IN THE BATCH WERE EXTRACTED BY THE FOLLOWING METHOD:
MICROWAVE: SW846 3546

THE 8270 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 8270 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION(S)
08B13884	UNDILUTE AND 5X
08B13889	UNDILUTE AND 10X
08B13881	UNDILUTE AND 5X

TUNING, INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8270 EXCEPT AS LISTED BELOW:

FOR SAMPLE(S) 08B13877-08B13889, THE REPORTED RESULTS FOR PENTACHLORONITROBENZENE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

FOR SAMPLE(S) 08B13887, 08B13879, 08B13880, AND 08B13889, THE REPORTED RESULTS FOR 2,4-DI-NITRO-PHENOL ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

FOR SAMPLE(S) 08B13882, 08B13886, 08B13884, 08B13883, AND 08B13887, THE REPORTED RESULTS FOR 3,3-DICHLOROBENZIDINE ARE ESTIMATED. EITHER THE INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

LABORATORY CONTROL SAMPLE RECOVERIES FOR REQUIRED MCP DATA ENHANCEMENT 8270 COMPOUNDS WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD, 40-140% FOR BASE/NEUTRALS AND 30-130% FOR ACIDS EXCEPT FOR "DIFFICULT ANALYTES" LISTED BELOW AND/OR OTHERWISE LISTED BELOW:

DIFFICULT ANALYTES FOR SOIL LCS - LIMITS BETWEEN 10 AND 180% DEPENDING ON THE COMPOUND (SEE QC SUMMARY FOR LIMITS): 3,3'-DICHLOROBENZIDINE, ANILINE, 2,4-DINITROPHENOL AND 4-CHLOROANILINE

DUPLICATE LABORATORY FORTIFIED BLANK RPDs WERE ALL LESS THAN OR EQUAL TO 20% FOR WATER OR 30% FOR SOIL EXCEPT FOR "DIFFICULT ANALYTES" WHERE RPDs OF 50% ARE USED AND/OR OTHERWISE LISTED BELOW:

DIFFICULT ANALYTES FOR SOIL RPDs: 3,3'-DICHLOROBENZIDINE, 4-NITROPHENOL, AND ANILINE

COMPOUNDS OUTSIDE OF CONTROL LIMITS:

FOR SAMPLE(S) 08B13877-08B13880, AND 08B13882-08B13889, THE LABORATORY FORTIFIED BLANK RECOVERY FOR FLUORANTHENE IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE HIGH SIDE.

FOR SAMPLE 08B13881, THE LABORATORY FORTIFIED BLANK RECOVERY FOR PENTACHLOROPHENOL IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298
JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

ALL 8270 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD
UNLESS LISTED BELOW:

FOR SAMPLE(S) 08B13884, SURROGATE RECOVERY FOR TERPHENYL-D14 IS OUTSIDE OF CON-TEST CONTROL
LIMITS, BUT WITHIN METHOD REQUIREMENTS.

8270 QC SURROGATE RECOVERIES

BLANK-116658

PHENOL-D6:	93%
NITROBENZENE-D5:	88%
2-FLUOROBIPHENYL:	89%
2,4,6-TRIBROMOPHENOL:	101%
TERPHENYL-D14:	86%
2-FLUOROPHENOL:	95%

LFBLANK-78230 LFB LFB DUPLICATE

PHENOL-D6:	114%	118%
NITROBENZENE-D5:	99%	102%
2-FLUOROBIPHENYL:	137%	97%
2,4,6-TRIBROMOPHENOL:	101%	129%
TERPHENYL-D14:	101%	108%
2-FLUOROPHENOL:	112%	113%

MATRIX SPIKE SAMPLE 08B13883 MS MS DUPLICATE

PHENOL-D6:	171%	122%
NITROBENZENE-D5:	94%	84%
2-FLUOROBIPHENYL:	85%	81%
2,4,6-TRIBROMOPHENOL:	85%	90%
TERPHENYL-D14:	67%	67%
2-FLUOROPHENOL:	163%	125%

BLANK-116781

PHENOL-D6:	114%
NITROBENZENE-D5:	95%
2-FLUOROBIPHENYL:	98%
2,4,6-TRIBROMOPHENOL:	106%
TERPHENYL-D14:	85%
2-FLUOROPHENOL:	111%

LFBLANK-78356 LFB LFB DUPLICATE

PHENOL-D6:	102%	102%
NITROBENZENE-D5:	92%	103%
2-FLUOROBIPHENYL:	92%	90%
2,4,6-TRIBROMOPHENOL:	113%	91%
TERPHENYL-D14:	86%	114%
2-FLUOROPHENOL:	102%	75%



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/16/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: R. NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15298

JOB NUMBER: 114605.0000

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

ALL 8270 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW:

MATRIX SPIKE AND MATRIX SPIKE WAS PERFORMED AND ANALYZED ON SAMPLE 08B13883.

FOR SAMPLE 08B13883 MATRIX SPIKE RECOVERY FOR 2-METHYLPHENOL AND 4-METHYLPHENOL IS OUTSIDE OF CONTROL LIMITS, BUT DUPLICATE MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE-TIME ANOMALY.

FOR SAMPLE 08B13883, MATRIX SPIKE DUPLICATE RPD FOR ANILINE, BENZO(GH)PERYLENE, DIBENZ(AH)ANTHRACENE, INDENO(123)PYRENE, 2,4-DINITROPHENOL, 2-METHYLPHENOL, 4-METHYLPHENOL, AND ACETOPHENONE IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 8270 UNLESS LISTED BELOW:
ALL RESULTS WERE REPORTED.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW:
NOT REQUESTED

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 5/16/08

SIGNATURE

DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 1 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13877

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	04/23/08	OP	4.61		
Arsenic	mg/kg dry wt	8.11	04/23/08	OP	2.89		
Barium	mg/kg dry wt	7.36	04/23/08	OP	5.77		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.29		
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.29		
Chromium	mg/kg dry wt	4.85	04/23/08	OP	0.58		
Lead	mg/kg dry wt	1.90	04/23/08	OP	0.87		
Nickel	mg/kg dry wt	5.82	04/23/08	OP	0.58		
Selenium	mg/kg dry wt	ND	04/23/08	OP	5.77		
Silver	mg/kg dry wt	ND	04/23/08	OP	0.58		
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.46		
Vanadium	mg/kg dry wt	ND	04/23/08	OP	5.77		
Zinc	mg/kg dry wt	10.8	04/23/08	OP	1.16		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 2 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

LIMS-BAT #: LIMT-15298

Job Number: 114605.0000

Sample ID : 08B13878

±Sampled : 4/18/2008

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	04/23/08	OP	5.12			
Arsenic	mg/kg dry wt	ND	04/23/08	OP	3.20			
Barium	mg/kg dry wt	25.6	04/23/08	OP	6.40			
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.32			
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.32			
Chromium	mg/kg dry wt	9.89	04/23/08	OP	0.64			
Lead	mg/kg dry wt	4.97	04/23/08	OP	0.96			
Nickel	mg/kg dry wt	5.68	04/23/08	OP	0.64			
Selenium	mg/kg dry wt	ND	04/23/08	OP	6.40			
Silver	mg/kg dry wt	ND	04/23/08	OP	0.64			
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.84			
Vanadium	mg/kg dry wt	9.42	04/23/08	OP	6.40			
Zinc	mg/kg dry wt	23.1	04/23/08	OP	1.28			

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 3 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13879

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Antimony	mg/kg dry wt	ND	04/23/08	OP	4.88			
Arsenic	mg/kg dry wt	3.86	04/23/08	OP	3.05			
Barium	mg/kg dry wt	17.5	04/23/08	OP	6.10			
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.31			
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.31			
Chromium	mg/kg dry wt	10.2	04/23/08	OP	0.61			
Lead	mg/kg dry wt	22.8	04/23/08	OP	0.92			
Nickel	mg/kg dry wt	4.52	04/23/08	OP	0.61			
Selenium	mg/kg dry wt	ND	04/23/08	OP	6.10			
Silver	mg/kg dry wt	ND	04/23/08	OP	0.61			
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.66			
Vanadium	mg/kg dry wt	11.9	04/23/08	OP	6.10			
Zinc	mg/kg dry wt	18.4	04/23/08	OP	1.22			

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 4 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

Sample ID: 08B13880

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	04/23/08	OP	4.97		
Arsenic	mg/kg dry wt	3.26	04/23/08	OP	3.11		
Barium	mg/kg dry wt	16.0	04/23/08	OP	6.22		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.32		
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.32		
Chromium	mg/kg dry wt	12.0	04/23/08	OP	0.63		
Lead	mg/kg dry wt	2.76	04/23/08	OP	0.94		
Nickel	mg/kg dry wt	8.42	04/23/08	OP	0.63		
Selenium	mg/kg dry wt	ND	04/23/08	OP	6.22		
Silver	mg/kg dry wt	ND	04/23/08	OP	0.63		
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.73		
Vanadium	mg/kg dry wt	11.6	04/23/08	OP	6.22		
Zinc	mg/kg dry wt	20.8	04/23/08	OP	1.25		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 5 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMT-15298

Job Number: 114605.0000

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	04/23/08	OP	7.39		
Arsenic	mg/kg dry wt	11.4	04/23/08	OP	4.62		
Barium	mg/kg dry wt	611	04/23/08	OP	9.23		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.47		
Cadmium	mg/kg dry wt	4.91	04/23/08	OP	0.47		
Chromium	mg/kg dry wt	38.0	04/23/08	OP	0.93		
Lead	mg/kg dry wt	336	04/23/08	OP	1.39		
Nickel	mg/kg dry wt	14.1	04/23/08	OP	0.93		
Selenium	mg/kg dry wt	ND	04/23/08	OP	9.23		
Silver	mg/kg dry wt	ND	04/23/08	OP	0.93		
Thallium	mg/kg dry wt	ND	04/23/08	OP	5.54		
Vanadium	mg/kg dry wt	18.6	04/23/08	OP	9.23		
Zinc	mg/kg dry wt	325	04/23/08	OP	1.85		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 6 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-003-3

Sample ID : 08B13882

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Antimony	mg/kg dry wt	ND	04/23/08	OP	5.13		
Arsenic	mg/kg dry wt	ND	04/23/08	OP	3.21		
Barium	mg/kg dry wt	12.1	04/23/08	OP	6.41		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.33		
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.33		
Chromium	mg/kg dry wt	7.58	04/23/08	OP	0.65		
Lead	mg/kg dry wt	2.50	04/23/08	OP	0.97		
Nickel	mg/kg dry wt	6.04	04/23/08	OP	0.65		
Selenium	mg/kg dry wt	ND	04/23/08	OP	6.41		
Silver	mg/kg dry wt	ND	04/23/08	OP	0.65		
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.85		
Vanadium	mg/kg dry wt	8.26	04/23/08	OP	6.41		
Zinc	mg/kg dry wt	11.9	04/23/08	OP	1.29		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 7 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-004-7 QC

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13883

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	04/23/08	OP	4.61		
Arsenic	mg/kg dry wt	ND	04/23/08	OP	2.88		
Barium	mg/kg dry wt	11.8	04/23/08	OP	5.76		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.29		
Cadmium	mg/kg dry wt	ND	04/23/08	OP	0.29		
Chromium	mg/kg dry wt	6.39	04/23/08	OP	0.58		
Lead	mg/kg dry wt	2.13	04/23/08	OP	0.87		
Nickel	mg/kg dry wt	5.23	04/23/08	OP	0.58		
Selenium	mg/kg dry wt	ND	04/23/08	OP	5.76		
Silver	mg/kg dry wt	ND	04/23/08	OP	0.58		
Thallium	mg/kg dry wt	ND	04/23/08	OP	3.46		
Vanadium	mg/kg dry wt	7.23	04/23/08	OP	5.76		
Zinc	mg/kg dry wt	20.3	04/23/08	OP	1.16		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID : 08B13884

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 8 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	52.1	04/23/08	OP	6.13		
Arsenic	mg/kg dry wt	8.20	04/23/08	OP	3.83		
Barium	mg/kg dry wt	2190	04/23/08	OP	7.66		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.39		
Cadmium	mg/kg dry wt	13.9	04/23/08	OP	0.39		
Chromium	mg/kg dry wt	82.9	04/23/08	OP	0.77		
Lead	mg/kg dry wt	557	04/23/08	OP	1.15		
Nickel	mg/kg dry wt	16.4	04/23/08	OP	0.77		
Selenium	mg/kg dry wt	ND	04/23/08	OP	7.66		
Silver	mg/kg dry wt	2.10	04/23/08	OP	0.77		
Thallium	mg/kg dry wt	ND	04/23/08	OP	4.60		
Vanadium	mg/kg dry wt	17.5	04/23/08	OP	7.66		
Zinc	mg/kg dry wt	1060	04/23/08	OP	1.54		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 9 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

Sample ID : 08B13885

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	163	04/23/08	OP	6.20		
Arsenic	mg/kg dry wt	51.0	04/23/08	OP	3.87		
Barium	mg/kg dry wt	13500	04/24/08	OP	7.74		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.39		
Cadmium	mg/kg dry wt	24.4	04/23/08	OP	0.39		
Chromium	mg/kg dry wt	703	04/23/08	OP	0.78		
Lead	mg/kg dry wt	1530	04/23/08	OP	1.17		
Nickel	mg/kg dry wt	50.0	04/23/08	OP	0.78		
Selenium	mg/kg dry wt	ND	04/23/08	OP	7.74		
Silver	mg/kg dry wt	3.92	04/23/08	OP	0.78		
Thallium	mg/kg dry wt	ND	04/23/08	OP	4.65		
Vanadium	mg/kg dry wt	29.0	04/23/08	OP	7.74		
Zinc	mg/kg dry wt	6840	04/23/08	OP	1.55		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 10 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-905-3

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13889

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/kg dry wt	ND	04/23/08	OP	6.04		
Arsenic	mg/kg dry wt	7.89	04/23/08	OP	3.78		
Barium	mg/kg dry wt	2980	04/23/08	OP	7.55		
Beryllium	mg/kg dry wt	ND	04/23/08	OP	0.38		
Cadmium	mg/kg dry wt	14.3	04/23/08	OP	0.38		
Chromium	mg/kg dry wt	103	04/23/08	OP	0.76		
Lead	mg/kg dry wt	651	04/23/08	OP	1.14		
Nickel	mg/kg dry wt	15.7	04/23/08	OP	0.76		
Selenium	mg/kg dry wt	ND	04/23/08	OP	7.55		
Silver	mg/kg dry wt	1.54	04/23/08	OP	0.76		
Thallium	mg/kg dry wt	ND	04/23/08	OP	4.53		
Vanadium	mg/kg dry wt	19.0	04/23/08	OP	7.55		
Zinc	mg/kg dry wt	1060	04/23/08	OP	1.51		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

Sample ID : 08B13880

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 11 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
PCB 1016	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1221	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1232	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1242	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1248	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1254	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB-1260	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB 1262	mg/kg dry wt	ND	04/25/08	JB	0.125		
PCB 1268	mg/kg dry wt	ND	04/25/08	JB	0.125		
Extraction Date PCBs		4/25/2008	04/25/08	JB			

Field Sample #: TP-901-4

Sample ID : 08B13888

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
PCB 1016	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1221	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1232	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1242	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1248	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1254	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB-1260	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB 1262	mg/kg dry wt	ND	04/25/08	JB	0.124		
PCB 1268	mg/kg dry wt	ND	04/25/08	JB	0.124		
Extraction Date PCBs		4/25/2008	04/25/08	JB			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

5/16/2008

Page 12 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

SW846 8081/8082

SAMPLES ARE EXTRACTED BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546),
CONCENTRATED, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 13 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID: 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	mg/kg dry wt	ND	04/21/08	MFF	33		
tert-Amylmethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Benzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Bromobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Bromochloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Bromodichloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Bromoform	mg/kg dry wt	ND	04/21/08	MFF	1.3		
Bromomethane	mg/kg dry wt	ND	04/21/08	MFF	3.3		
2-Butanone (MEK)	mg/kg dry wt	ND	04/21/08	MFF	13		
n-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
sec-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
tert-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
tert-Butylethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Carbon Disulfide	mg/kg dry wt	ND	04/21/08	MFF	2.0		
Carbon Tetrachloride	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Chlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Chlorodibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Chloroethane	mg/kg dry wt	ND	04/21/08	MFF	6.5		
Chloroform	mg/kg dry wt	ND	04/21/08	MFF	1.3		
Chloromethane	mg/kg dry wt	ND	04/21/08	MFF	3.3		
2-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
4-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2-Dibromoethane	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Dibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Dichlorodifluoromethane	mg/kg dry wt	ND	04/21/08	MFF	6.5		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 14 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	1.3		
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,3-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.33		
2,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
cis-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.33		
trans-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Diethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	6.5		
Diisopropyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.33		
1,4-Dioxane	mg/kg dry wt	ND	04/21/08	MFF	33		
Ethyl Benzene	mg/kg dry wt	22	04/21/08	MFF	0.65		
Hexachlorobutadiene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
2-Hexanone	mg/kg dry wt	ND	04/21/08	MFF	6.5		
Isopropylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
p-Isopropyltoluene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
MTBE	mg/kg dry wt	ND	04/21/08	MFF	1.3		
Methylene Chloride	mg/kg dry wt	ND	04/21/08	MFF	6.5		
MIBK	mg/kg dry wt	43	04/21/08	MFF	6.5		
Naphthalene	mg/kg dry wt	ND	04/21/08	MFF	1.3		
n-Propylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Styrene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.33		
Tetrachloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Tetrahydrofuran	mg/kg dry wt	ND	04/21/08	MFF	3.3		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 15 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-002-SOIL

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	mg/kg dry wt	450	04/21/08	MFF	0.65		
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1,1-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,1,2-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Trichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.65		
Trichlorofluoromethane	mg/kg dry wt	ND	04/21/08	MFF	3.3		
1,2,3-Trichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.65		
1,2,4-Trimethylbenzene	mg/kg dry wt	3.1	04/21/08	MFF	0.65		
1,3,5-Trimethylbenzene	mg/kg dry wt	1.2	04/21/08	MFF	0.65		
Vinyl Chloride	mg/kg dry wt	ND	04/21/08	MFF	3.3		
m + p Xylene	mg/kg dry wt	67	04/21/08	MFF	1.3		
o-Xylene	mg/kg dry wt	17	04/21/08	MFF	0.65		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 16 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13886

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	mg/kg dry wt	ND	04/21/08	MFF	16		
tert-Amylmethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Benzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Bromobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Bromochloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Bromodichloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Bromoform	mg/kg dry wt	ND	04/21/08	MFF	0.63		
Bromomethane	mg/kg dry wt	ND	04/21/08	MFF	1.6		
2-Butanone (MEK)	mg/kg dry wt	ND	04/21/08	MFF	6.3		
n-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
sec-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
tert-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
tert-Butylethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Carbon Disulfide	mg/kg dry wt	ND	04/21/08	MFF	0.95		
Carbon Tetrachloride	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Chlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Chlorodibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Chloroethane	mg/kg dry wt	ND	04/21/08	MFF	3.2		
Chloroform	mg/kg dry wt	ND	04/21/08	MFF	0.63		
Chloromethane	mg/kg dry wt	ND	04/21/08	MFF	1.6		
2-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
4-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2-Dibromoethane	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Dibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Dichlorodifluoromethane	mg/kg dry wt	ND	04/21/08	MFF	3.2		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

Sample ID: 08B13886

5/16/2008

Page 17 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.63		
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,3-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.16		
2,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
cis-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.16		
trans-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Diethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	3.2		
Diisopropyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.16		
1,4-Dioxane	mg/kg dry wt	ND	04/21/08	MFF	16		
Ethyl Benzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Hexachlorobutadiene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
2-Hexanone	mg/kg dry wt	ND	04/21/08	MFF	3.2		
Isopropylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
p-Isopropyltoluene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
MTBE	mg/kg dry wt	ND	04/21/08	MFF	0.63		
Methylene Chloride	mg/kg dry wt	ND	04/21/08	MFF	3.2		
MIBK	mg/kg dry wt	ND	04/21/08	MFF	3.2		
Naphthalene	mg/kg dry wt	ND	04/21/08	MFF	0.63		
n-Propylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Styrene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.16		
Tetrachloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Tetrahydrofuran	mg/kg dry wt	ND	04/21/08	MFF	1.6		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 18 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID: 08B13886

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1,1-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,1,2-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Trichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Trichlorofluoromethane	mg/kg dry wt	ND	04/21/08	MFF	1.6		
1,2,3-Trichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.32		
Vinyl Chloride	mg/kg dry wt	ND	04/21/08	MFF	1.6		
m + p Xylene	mg/kg dry wt	ND	04/21/08	MFF	0.63		
o-Xylene	mg/kg dry wt	ND	04/21/08	MFF	0.32		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 19 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-008-2

Sample ID : 08B13887

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	mg/kg dry wt	ND	04/21/08	MFF	18		
tert-Amylmethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Benzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Bromobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Bromochloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Bromodichloromethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Bromoform	mg/kg dry wt	ND	04/21/08	MFF	0.69		
Bromomethane	mg/kg dry wt	ND	04/21/08	MFF	1.8		
2-Butanone (MEK)	mg/kg dry wt	ND	04/21/08	MFF	6.9		
n-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
sec-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
tert-Butylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
tert-Butylethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Carbon Disulfide	mg/kg dry wt	ND	04/21/08	MFF	1.1		
Carbon Tetrachloride	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Chlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Chlorodibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Chloroethane	mg/kg dry wt	ND	04/21/08	MFF	3.5		
Chloroform	mg/kg dry wt	ND	04/21/08	MFF	0.69		
Chloromethane	mg/kg dry wt	ND	04/21/08	MFF	1.8		
2-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
4-Chlorotoluene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2-Dibromoethane	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Dibromomethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Dichlorodifluoromethane	mg/kg dry wt	ND	04/21/08	MFF	3.5		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 20 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-008-2

Sample ID : 08B13887

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2-Dichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.69		
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,3-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.18		
2,2-Dichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
cis-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.18		
trans-1,3-Dichloropropene	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Diethyl Ether	mg/kg dry wt	ND	04/21/08	MFF	3.5		
Diisopropyl Ether	mg/kg dry wt	ND	04/21/08	MFF	0.18		
1,4-Dioxane	mg/kg dry wt	ND	04/21/08	MFF	18		
Ethyl Benzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Hexachlorobutadiene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
2-Hexanone	mg/kg dry wt	ND	04/21/08	MFF	3.5		
Isopropylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
p-Isopropyltoluene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
MTBE	mg/kg dry wt	ND	04/21/08	MFF	0.69		
Methylene Chloride	mg/kg dry wt	ND	04/21/08	MFF	3.5		
MIBK	mg/kg dry wt	ND	04/21/08	MFF	3.5		
Naphthalene	mg/kg dry wt	ND	04/21/08	MFF	0.69		
n-Propylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Styrene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.18		
Tetrachloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Tetrahydrofuran	mg/kg dry wt	ND	04/21/08	MFF	1.8		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 21 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-008-2

Sample ID: 08B13887

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1,1-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,1,2-Trichloroethane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Trichloroethylene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Trichlorofluoromethane	mg/kg dry wt	ND	04/21/08	MFF	1.8		
1,2,3-Trichloropropane	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	04/21/08	MFF	0.35		
Vinyl Chloride	mg/kg dry wt	ND	04/21/08	MFF	1.8		
m + p Xylene	mg/kg dry wt	ND	04/21/08	MFF	0.69		
o-Xylene	mg/kg dry wt	ND	04/21/08	MFF	0.35		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 22 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TRIP BLANK

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13890

±Sampled : 4/18/2008

Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	mg/kg	ND	04/21/08	MFF	10		
tert-Amylmethyl Ether	mg/kg	ND	04/21/08	MFF	0.10		
Benzene	mg/kg	ND	04/21/08	MFF	0.20		
Bromobenzene	mg/kg	ND	04/21/08	MFF	0.20		
Bromochloromethane	mg/kg	ND	04/21/08	MFF	0.20		
Bromodichloromethane	mg/kg	ND	04/21/08	MFF	0.20		
Bromoform	mg/kg	ND	04/21/08	MFF	0.40		
Bromomethane	mg/kg	ND	04/21/08	MFF	1.0		
2-Butanone (MEK)	mg/kg	ND	04/21/08	MFF	4.0		
n-Butylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
sec-Butylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
tert-Butylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
tert-Butylethyl Ether	mg/kg	ND	04/21/08	MFF	0.10		
Carbon Disulfide	mg/kg	ND	04/21/08	MFF	0.60		
Carbon Tetrachloride	mg/kg	ND	04/21/08	MFF	0.20		
Chlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
Chlorodibromomethane	mg/kg	ND	04/21/08	MFF	0.10		
Chloroethane	mg/kg	ND	04/21/08	MFF	2.0		
Chloroform	mg/kg	ND	04/21/08	MFF	0.40		
Chloromethane	mg/kg	ND	04/21/08	MFF	1.0		
2-Chlorotoluene	mg/kg	ND	04/21/08	MFF	0.20		
4-Chlorotoluene	mg/kg	ND	04/21/08	MFF	0.20		
1,2-Dibromo-3-Chloropropane	mg/kg	ND	04/21/08	MFF	0.20		
1,2-Dibromoethane	mg/kg	ND	04/21/08	MFF	0.10		
Dibromomethane	mg/kg	ND	04/21/08	MFF	0.20		
1,2-Dichlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
1,3-Dichlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
1,4-Dichlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
Dichlorodifluoromethane	mg/kg	ND	04/21/08	MFF	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 23 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TRIP BLANK

Sample ID : 08B13890

Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	mg/kg	ND	04/21/08	MFF	0.20		
1,2-Dichloroethane	mg/kg	ND	04/21/08	MFF	0.20		
1,1-Dichloroethylene	mg/kg	ND	04/21/08	MFF	0.40		
cis-1,2-Dichloroethylene	mg/kg	ND	04/21/08	MFF	0.20		
trans-1,2-Dichloroethylene	mg/kg	ND	04/21/08	MFF	0.20		
1,2-Dichloropropane	mg/kg	ND	04/21/08	MFF	0.20		
1,3-Dichloropropane	mg/kg	ND	04/21/08	MFF	0.10		
2,2-Dichloropropane	mg/kg	ND	04/21/08	MFF	0.20		
1,1-Dichloropropene	mg/kg	ND	04/21/08	MFF	0.20		
cis-1,3-Dichloropropene	mg/kg	ND	04/21/08	MFF	0.10		
trans-1,3-Dichloropropene	mg/kg	ND	04/21/08	MFF	0.10		
Diethyl Ether	mg/kg	ND	04/21/08	MFF	2.0		
Diisopropyl Ether	mg/kg	ND	04/21/08	MFF	2.0		
1,4-Dioxane	mg/kg	ND	04/21/08	MFF	10		
Ethyl Benzene	mg/kg	ND	04/21/08	MFF	0.20		
Hexachlorobutadiene	mg/kg	ND	04/21/08	MFF	0.20		
2-Hexanone	mg/kg	ND	04/21/08	MFF	2.0		
Isopropylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
p-Isopropyltoluene	mg/kg	ND	04/21/08	MFF	0.20		
MTBE	mg/kg	ND	04/21/08	MFF	0.40		
Methylene Chloride	mg/kg	ND	04/21/08	MFF	2.0		
MIBK	mg/kg	ND	04/21/08	MFF	2.0		
Naphthalene	mg/kg	ND	04/21/08	MFF	0.40		
n-Propylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
Styrene	mg/kg	ND	04/21/08	MFF	0.20		
1,1,1,2-Tetrachloroethane	mg/kg	ND	04/21/08	MFF	0.20		
1,1,2,2-Tetrachloroethane	mg/kg	ND	04/21/08	MFF	0.10		
Tetrachloroethylene	mg/kg	ND	04/21/08	MFF	0.20		
Tetrahydrofuran	mg/kg	ND	04/21/08	MFF	1.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 24 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TRIP BLANK

Sample ID : 08B13890

Not Specified

Sample Matrix: LIQUIDS

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	mg/kg	ND	04/21/08	MFF	0.20		
1,2,3-Trichlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
1,2,4-Trichlorobenzene	mg/kg	ND	04/21/08	MFF	0.20		
1,1,1-Trichloroethane	mg/kg	ND	04/21/08	MFF	0.20		
1,1,2-Trichloroethane	mg/kg	ND	04/21/08	MFF	0.20		
Trichloroethylene	mg/kg	ND	04/21/08	MFF	0.20		
Trichlorofluoromethane	mg/kg	ND	04/21/08	MFF	1.0		
1,2,3-Trichloropropane	mg/kg	ND	04/21/08	MFF	0.20		
1,2,4-Trimethylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
1,3,5-Trimethylbenzene	mg/kg	ND	04/21/08	MFF	0.20		
Vinyl Chloride	mg/kg	ND	04/21/08	MFF	1.0		
m + p Xylene	mg/kg	ND	04/21/08	MFF	0.40		
o-Xylene	mg/kg	ND	04/21/08	MFF	0.20		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002 WATER

Sample ID: 08B13871

±Sampled: 4/18/2008

Not Specified

Sample Matrix: WATER OTHER

5/16/2008

Page 25 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/l	5220	04/22/08	LBD	5000		
tert-Amyl methyl Ether	ug/l	ND	04/22/08	LBD	50.0		
Benzene	ug/l	ND	04/22/08	LBD	100		
Bromobenzene	ug/l	ND	04/22/08	LBD	100		
Bromochloromethane	ug/l	ND	04/22/08	LBD	100		
Bromodichloromethane	ug/l	ND	04/22/08	LBD	100		
Bromoform	ug/l	ND	04/22/08	LBD	100		
Bromomethane	ug/l	ND	04/22/08	LBD	500		
2-Butanone (MEK)	ug/l	ND	04/22/08	LBD	2000		
n-Butylbenzene	ug/l	ND	04/22/08	LBD	100		
sec-Butylbenzene	ug/l	ND	04/22/08	LBD	100		
tert-Butylbenzene	ug/l	ND	04/22/08	LBD	100		
tert-Butylethyl Ether	ug/l	ND	04/22/08	LBD	50.0		
Carbon Disulfide	ug/l	ND	04/22/08	LBD	300		
Carbon Tetrachloride	ug/l	ND	04/22/08	LBD	100		
Chlorobenzene	ug/l	ND	04/22/08	LBD	100		
Chlorodibromomethane	ug/l	ND	04/22/08	LBD	50.0		
Chloroethane	ug/l	ND	04/22/08	LBD	200		
Chloroform	ug/l	ND	04/22/08	LBD	200		
Chloromethane	ug/l	ND	04/22/08	LBD	200		
2-Chlorotoluene	ug/l	ND	04/22/08	LBD	100		
4-Chlorotoluene	ug/l	ND	04/22/08	LBD	100		
1,2-Dibromo-3-Chloropropane	ug/l	ND	04/22/08	LBD	500		
1,2-Dibromoethane	ug/l	ND	04/22/08	LBD	50.0		
Dibromomethane	ug/l	ND	04/22/08	LBD	100		
1,2-Dichlorobenzene	ug/l	ND	04/22/08	LBD	100		
1,3-Dichlorobenzene	ug/l	ND	04/22/08	LBD	100		
1,4-Dichlorobenzene	ug/l	ND	04/22/08	LBD	100		
Dichlorodifluoromethane	ug/l	ND	04/22/08	LBD	200		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002 WATER

Sample ID: 08B13871

Not Specified

Sample Matrix: WATER OTHER

5/16/2008

Page 26 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	04/22/08	LBD	100		
1,2-Dichloroethane	ug/l	ND	04/22/08	LBD	100		
1,1-Dichloroethylene	ug/l	ND	04/22/08	LBD	100		
cis-1,2-Dichloroethylene	ug/l	ND	04/22/08	LBD	100		
trans-1,2-Dichloroethylene	ug/l	ND	04/22/08	LBD	100		
1,2-Dichloropropane	ug/l	ND	04/22/08	LBD	100		
1,3-Dichloropropane	ug/l	ND	04/22/08	LBD	50.0		
2,2-Dichloropropane	ug/l	ND	04/22/08	LBD	100		
1,1-Dichloropropene	ug/l	ND	04/22/08	LBD	200		
cis-1,3-Dichloropropene	ug/l	ND	04/22/08	LBD	50.0		
trans-1,3-Dichloropropene	ug/l	ND	04/22/08	LBD	50.0		
Diethyl Ether	ug/l	ND	04/22/08	LBD	200		
Diisopropyl Ether	ug/l	ND	04/22/08	LBD	50.0		
1,4-Dioxane	ug/l	ND	04/22/08	LBD	5000		
Ethyl Benzene	ug/l	ND	04/22/08	LBD	100		
Hexachlorobutadiene	ug/l	ND	04/22/08	LBD	100		
2-Hexanone	ug/l	ND	04/22/08	LBD	1000		
Isopropylbenzene	ug/l	ND	04/22/08	LBD	100		
p-Isopropyltoluene	ug/l	ND	04/22/08	LBD	100		
MTBE	ug/l	ND	04/22/08	LBD	100		
Methylene Chloride	ug/l	ND	04/22/08	LBD	500		
MIBK	ug/l	5520	04/22/08	LBD	1000		
Naphthalene	ug/l	ND	04/22/08	LBD	200		
n-Propylbenzene	ug/l	ND	04/22/08	LBD	100		
Styrene	ug/l	ND	04/22/08	LBD	100		
1,1,1,2-Tetrachloroethane	ug/l	ND	04/22/08	LBD	100		
1,1,2,2-Tetrachloroethane	ug/l	ND	04/22/08	LBD	50.0		
Tetrachloroethylene	ug/l	ND	04/22/08	LBD	100		
Tetrahydrofuran	ug/l	ND	04/22/08	LBD	1000		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 27 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002 WATER

Sample ID: 08B13871

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	2590	04/22/08	LBD	100		
1,2,3-Trichlorobenzene	ug/l	ND	04/22/08	LBD	500		
1,2,4-Trichlorobenzene	ug/l	ND	04/22/08	LBD	100		
1,1,1-Trichloroethane	ug/l	ND	04/22/08	LBD	100		
1,1,2-Trichloroethane	ug/l	ND	04/22/08	LBD	100		
Trichloroethylene	ug/l	ND	04/22/08	LBD	100		
Trichlorofluoromethane	ug/l	ND	04/22/08	LBD	200		
1,2,3-Trichloropropane	ug/l	ND	04/22/08	LBD	200		
1,2,4-Trimethylbenzene	ug/l	ND	04/22/08	LBD	100		
1,3,5-Trimethylbenzene	ug/l	ND	04/22/08	LBD	100		
Vinyl Chloride	ug/l	ND	04/22/08	LBD	200		
m + p Xylene	ug/l	247	04/22/08	LBD	200		
o-Xylene	ug/l	ND	04/22/08	LBD	100		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 28 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-1/MW1-3-4

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13877

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acenaphthene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Acenaphthylene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Acetophenone	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Aniline	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/23/08	BGL	0.39		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Butylbenzylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.77		
4-Chloroaniline	mg/kg dry wt	ND	04/23/08	BGL	0.77		
2-Chloronaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2-Chlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Chrysene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Dibenzofuran	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/23/08	BGL	0.20		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Diethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 29 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13877

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.77		
Di-n-butylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Di-n-octylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.77		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.77		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Fluorene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Hexachlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Hexachlorobutadiene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Hexachloroethane	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Isophorone	mg/kg dry wt	ND	04/23/08	BGL	0.39		
o-cresol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
m & p-cresol(s)	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Naphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Nitrobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
4-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.77		
Pentachlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Phenanthrene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
Phenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
Pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.20		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.39		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 30 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13877

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/23/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

Sample ID : 08B13878

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 31 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Acenaphthylene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Acetophenone	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Aniline	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Anthracene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Benzo(a)anthracene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Benzo(a)pyrene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/25/08	BGL	0.43		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Butylbenzylphthalate	mg/kg dry wt	ND	04/25/08	BGL	0.86		
4-Chloroaniline	mg/kg dry wt	ND	04/25/08	BGL	0.86		
2-Chloronaphthalene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2-Chlorophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Chrysene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Dibenzofuran	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/25/08	BGL	0.22		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Diethylphthalate	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 32 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

Sample ID : 08B13878

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/25/08	BGL	0.86		
Di-n-butylphthalate	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Di-n-octylphthalate	mg/kg dry wt	ND	04/25/08	BGL	0.86		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/25/08	BGL	0.86		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Fluoranthene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Fluorene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Hexachlorobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Hexachlorobutadiene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Hexachloroethane	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Isophorone	mg/kg dry wt	ND	04/25/08	BGL	0.43		
o-cresol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
m & p-cresol(s)	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2-Methylnaphthalene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Naphthalene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Nitrobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2-Nitrophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
4-Nitrophenol	mg/kg dry wt	ND	04/25/08	BGL	0.86		
Pentachlorophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Phenanthrene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
Phenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
Pyrene	mg/kg dry wt	ND	04/25/08	BGL	0.22		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/25/08	BGL	0.43		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 33 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

Sample ID : 08B13878

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270		4/21/2008	04/25/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 34 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-3/MW3-0-1

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13879

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Acenaphthylene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Acetophenone	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Aniline	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/23/08	BGL	0.41		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Butylbenzylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.82		
4-Chloroaniline	mg/kg dry wt	ND	04/23/08	BGL	0.82		
2-Chloronaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2-Chlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Chrysene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Dibenzofuran	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/23/08	BGL	0.21		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Diethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 35 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13879

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.82		
Di-n-butylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Di-n-octylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.82		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.82		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Fluorene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Hexachlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Hexachlorobutadiene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Hexachloroethane	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Isophorone	mg/kg dry wt	ND	04/23/08	BGL	0.41		
o-cresol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
m & p-cresol(s)	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Naphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Nitrobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
4-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.82		
Pentachlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Phenanthrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Phenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
Pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.41		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 36 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13879

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/23/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

Sample ID : 08B13880

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 37 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Acenaphthylene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Acetophenone	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Aniline	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/23/08	BGL	0.42			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Butylbenzylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.83			
4-Chloroaniline	mg/kg dry wt	ND	04/23/08	BGL	0.83			
2-Chloronaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.42			
2-Chlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Chrysene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
Dibenzofuran	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/23/08	BGL	0.21			
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42			
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42			
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/23/08	BGL	0.21			
2,4-Dichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42			
Diethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.42			
2,4-Dimethylphenol	mg/kg dry wt	ND	04/23/08	BGL	0.42			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/16/2008
Page 38 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY
Date Received: 4/18/2008
Field Sample #: TP-001-4
Sample ID : 08B13880

LIMS-BAT #: LIMIT-15298
Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.83		
Di-n-butylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Di-n-octylphthalate	mg/kg dry wt	ND	04/23/08	BGL	0.83		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.83		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Fluoranthene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Fluorene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Hexachlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Hexachlorobutadiene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Hexachloroethane	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Isophorone	mg/kg dry wt	ND	04/23/08	BGL	0.42		
o-cresol	mg/kg dry wt	ND	04/23/08	BGL	0.42		
m & p-cresol(s)	mg/kg dry wt	ND	04/23/08	BGL	0.42		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Naphthalene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Nitrobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
2-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42		
4-Nitrophenol	mg/kg dry wt	ND	04/23/08	BGL	0.83		
Pentachlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Phenanthrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
Phenol	mg/kg dry wt	ND	04/23/08	BGL	0.42		
Pyrene	mg/kg dry wt	ND	04/23/08	BGL	0.21		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/23/08	BGL	0.42		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/23/08	BGL	0.42		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

Sample ID: 08B13880

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 39 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270		4/21/2008	04/23/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 40 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/26/08	BGL	1.24		
Acenaphthylene	mg/kg dry wt	3.11	04/26/08	BGL	1.24		
Acetophenone	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Aniline	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Anthracene	mg/kg dry wt	5.26	04/26/08	BGL	1.24		
Benzo(a)anthracene	mg/kg dry wt	29.0	04/26/08	BGL	1.24		
Benzo(a)pyrene	mg/kg dry wt	28.1	04/26/08	BGL	1.24		
Benzo(b)fluoranthene	mg/kg dry wt	40.1	04/26/08	BGL	1.24		
Benzo(g,h,i)perylene	mg/kg dry wt	14.0	04/26/08	BGL	1.24		
Benzo(k)fluoranthene	mg/kg dry wt	15.3	04/26/08	BGL	1.24		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	50.7	04/26/08	BGL	2.47		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Butylbenzylphthalate	mg/kg dry wt	ND	04/26/08	BGL	4.93		
4-Chloroaniline	mg/kg dry wt	ND	04/26/08	BGL	4.93		
2-Chloronaphthalene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2-Chlorophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Chrysene	mg/kg dry wt	27.8	04/26/08	BGL	1.24		
Dibenzofuran	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Dibenz(a,h)anthracene	mg/kg dry wt	4.15	04/26/08	BGL	1.24		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/26/08	BGL	1.24		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Diethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 41 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Dimethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	4.93		
Di-n-butylphthalate	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Di-n-octylphthalate	mg/kg dry wt	ND	04/26/08	BGL	4.93		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/26/08	BGL	4.93		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Fluoranthene	mg/kg dry wt	61.0	04/26/08	BGL	1.24		
Fluorene	mg/kg dry wt	ND	04/26/08	BGL	1.24		
Hexachlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Hexachlorobutadiene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Hexachloroethane	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	19.2	04/26/08	BGL	1.24		
Isophorone	mg/kg dry wt	ND	04/26/08	BGL	2.47		
o-cresol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
m & p-cresol(s)	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2-Methylnaphthalene	mg/kg dry wt	ND	04/26/08	BGL	1.24		
Naphthalene	mg/kg dry wt	ND	04/26/08	BGL	1.24		
Nitrobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
4-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	4.93		
Pentachlorophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Phenanthrene	mg/kg dry wt	18.6	04/26/08	BGL	1.24		
Phenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
Pyrene	mg/kg dry wt	42.6	04/26/08	BGL	1.24		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	2.47		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 42 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-002-SOIL

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	04/25/2008	04/26/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/16/2008
Page 43 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY
Date Received: 4/18/2008
Field Sample #: TP-003-3
Sample ID: 08B13882

LIMS-BAT #: LIMIT-15298
Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Acenaphthylene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Acetophenone	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Aniline	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Benzo(a)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Benzo(a)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/26/08	BGL	0.43			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Butylbenzylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.86			
4-Chloroaniline	mg/kg dry wt	ND	04/26/08	BGL	0.86			
2-Chloronaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.43			
2-Chlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Chrysene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
Dibenzofuran	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22			
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43			
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43			
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/26/08	BGL	0.22			
2,4-Dichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43			
Diethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.43			
2,4-Dimethylphenol	mg/kg dry wt	ND	04/26/08	BGL	0.43			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 44 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-003-3

Sample ID : 08B13882

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.86		
Di-n-butylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Di-n-octylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.86		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.86		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Fluorene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Hexachlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Hexachlorobutadiene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Hexachloroethane	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Isophorone	mg/kg dry wt	ND	04/26/08	BGL	0.43		
o-cresol	mg/kg dry wt	ND	04/26/08	BGL	0.43		
m & p-cresol(s)	mg/kg dry wt	ND	04/26/08	BGL	0.43		
2-Methylnaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Naphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Nitrobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
2-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43		
4-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.86		
Pentachlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Phenanthrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Phenol	mg/kg dry wt	ND	04/26/08	BGL	0.43		
Pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.43		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.43		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-003-3

Sample ID : 08B13882

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 45 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Extraction Date 8270		4/21/2008	04/26/08	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 46 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-004-7 QC

Sample ID: 08B13883

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Acenaphthylene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Acetophenone	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Aniline	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Anthracene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Benzo(a)anthracene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Benzo(a)pyrene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/24/08	BGL	0.39		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Butylbenzylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.77		
4-Chloroaniline	mg/kg dry wt	ND	04/24/08	BGL	0.77		
2-Chloronaphthalene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2-Chlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Chrysene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Dibenzofuran	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/24/08	BGL	0.20		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Diethylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-004-7 QC

Sample ID: 08B13883

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 47 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Dimethylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.77		
Di-n-butylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Di-n-octylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.77		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/24/08	BGL	0.77		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Fluoranthene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Fluorene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Hexachlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Hexachlorobutadiene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Hexachloroethane	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Isophorone	mg/kg dry wt	ND	04/24/08	BGL	0.39		
o-cresol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
m & p-cresol(s)	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2-Methylnaphthalene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Naphthalene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Nitrobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2-Nitrophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
4-Nitrophenol	mg/kg dry wt	ND	04/24/08	BGL	0.77		
Pentachlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Phenanthrene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
Phenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
Pyrene	mg/kg dry wt	ND	04/24/08	BGL	0.20		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.39		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample # : TP-004-7 QC

Sample ID : 08B13883

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 48 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Extraction Date 8270		4/21/2008	04/24/08	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID: 08B13884

5/16/2008

Page 49 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	mg/kg dry wt	0.40	04/24/08	BGL	0.26			
Acenaphthylene	mg/kg dry wt	ND	04/24/08	BGL	0.26			
Acetophenone	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Aniline	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Anthracene	mg/kg dry wt	0.77	04/24/08	BGL	0.26			
Benzo(a)anthracene	mg/kg dry wt	2.48	04/24/08	BGL	0.26			
Benzo(a)pyrene	mg/kg dry wt	2.33	04/24/08	BGL	0.26			
Benzo(b)fluoranthene	mg/kg dry wt	3.90	04/24/08	BGL	0.26			
Benzo(g,h,i)perylene	mg/kg dry wt	1.60	04/24/08	BGL	0.26			
Benzo(k)fluoranthene	mg/kg dry wt	1.49	04/24/08	BGL	0.26			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	66.6	04/24/08	BGL	0.52			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Butylbenzylphthalate	mg/kg dry wt	ND	04/24/08	BGL	1.03			
4-Chloroaniline	mg/kg dry wt	ND	04/24/08	BGL	1.03			
2-Chloronaphthalene	mg/kg dry wt	ND	04/24/08	BGL	0.52			
2-Chlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Chrysene	mg/kg dry wt	2.62	04/24/08	BGL	0.26			
Dibenzofuran	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Dibenz(a,h)anthracene	mg/kg dry wt	0.56	04/24/08	BGL	0.26			
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52			
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52			
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/24/08	BGL	0.26			
2,4-Dichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52			
Diethylphthalate	mg/kg dry wt	ND	04/24/08	BGL	0.52			
2,4-Dimethylphenol	mg/kg dry wt	ND	04/24/08	BGL	0.52			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 50 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID : 08B13884

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/24/08	BGL	1.03		
Di-n-butylphthalate	mg/kg dry wt	1.96	04/24/08	BGL	0.52		
Di-n-octylphthalate	mg/kg dry wt	ND	04/24/08	BGL	1.03		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/24/08	BGL	1.03		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Fluoranthene	mg/kg dry wt	5.84	04/24/08	BGL	0.26		
Fluorene	mg/kg dry wt	0.38	04/24/08	BGL	0.26		
Hexachlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Hexachlorobutadiene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Hexachloroethane	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	2.07	04/24/08	BGL	0.26		
Isophorone	mg/kg dry wt	ND	04/24/08	BGL	0.52		
o-cresol	mg/kg dry wt	ND	04/24/08	BGL	0.52		
m & p-cresol(s)	mg/kg dry wt	ND	04/24/08	BGL	0.52		
2-Methylnaphthalene	mg/kg dry wt	ND	04/24/08	BGL	0.26		
Naphthalene	mg/kg dry wt	0.49	04/24/08	BGL	0.26		
Nitrobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
2-Nitrophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52		
4-Nitrophenol	mg/kg dry wt	ND	04/24/08	BGL	1.03		
Pentachlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Phenanthrene	mg/kg dry wt	3.91	04/24/08	BGL	0.26		
Phenol	mg/kg dry wt	ND	04/24/08	BGL	0.52		
Pyrene	mg/kg dry wt	3.22	04/24/08	BGL	0.26		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/24/08	BGL	0.52		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/24/08	BGL	0.52		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 51 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID : 08B13884

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/24/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 52 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

Sample ID: 08B13885

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
Acenaphthylene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
Acetophenone	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Aniline	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Anthracene	mg/kg dry wt	0.43	04/26/08	BGL	0.26		
Benzo(a)anthracene	mg/kg dry wt	1.51	04/26/08	BGL	0.26		
Benzo(a)pyrene	mg/kg dry wt	1.31	04/26/08	BGL	0.26		
Benzo(b)fluoranthene	mg/kg dry wt	1.79	04/26/08	BGL	0.26		
Benzo(g,h,i)perylene	mg/kg dry wt	0.68	04/26/08	BGL	0.26		
Benzo(k)fluoranthene	mg/kg dry wt	0.56	04/26/08	BGL	0.26		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	0.57	04/26/08	BGL	0.52		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Butylbenzylphthalate	mg/kg dry wt	ND	04/26/08	BGL	1.03		
4-Chloroaniline	mg/kg dry wt	ND	04/26/08	BGL	1.03		
2-Chloronaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2-Chlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Chrysene	mg/kg dry wt	1.56	04/26/08	BGL	0.26		
Dibenzofuran	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/26/08	BGL	0.26		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Diethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 53 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13885

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	1.03		
Di-n-butylphthalate	mg/kg dry wt	1.39	04/26/08	BGL	0.52		
Di-n-octylphthalate	mg/kg dry wt	ND	04/26/08	BGL	1.03		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/26/08	BGL	1.03		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Fluoranthene	mg/kg dry wt	3.46	04/26/08	BGL	0.26		
Fluorene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
Hexachlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Hexachlorobutadiene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Hexachloroethane	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.87	04/26/08	BGL	0.26		
Isophorone	mg/kg dry wt	ND	04/26/08	BGL	0.52		
o-cresol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
m & p-cresol(s)	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2-Methylnaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
Naphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.26		
Nitrobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
4-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	1.03		
Pentachlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Phenanthrene	mg/kg dry wt	2.05	04/26/08	BGL	0.26		
Phenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
Pyrene	mg/kg dry wt	2.04	04/26/08	BGL	0.26		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.52		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 54 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-006-2

Sample ID: 08B13885

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/26/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 55 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

Sample ID : 08B13886

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Acenaphthylene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Acetophenone	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Aniline	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Benzo(a)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Benzo(a)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/26/08	BGL	0.41		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Butylbenzylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.82		
4-Chloroaniline	mg/kg dry wt	ND	04/26/08	BGL	0.82		
2-Chloronaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.41		
2-Chlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Chrysene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
Dibenzofuran	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.21		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/26/08	BGL	0.21		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41		
Diethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.41		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/26/08	BGL	0.41		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/16/2008
Page 56 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY
Date Received: 4/18/2008
Field Sample #: TP-007-6
Sample ID : 08B13886

LIMS-BAT #: LIMIT-15298
Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Dimethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.82			
Di-n-butylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Di-n-octylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.82			
2,4-Dinitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.82			
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Fluorene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Hexachlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Hexachlorobutadiene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Hexachloroethane	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Isophorone	mg/kg dry wt	ND	04/26/08	BGL	0.41			
o-cresol	mg/kg dry wt	ND	04/26/08	BGL	0.41			
m & p-cresol(s)	mg/kg dry wt	ND	04/26/08	BGL	0.41			
2-Methylnaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Naphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Nitrobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
2-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41			
4-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.82			
Pentachlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Phenanthrene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
Phenol	mg/kg dry wt	ND	04/26/08	BGL	0.41			
Pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.21			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.41			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.41			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 57 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

Sample ID : 08B13886

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Extraction Date 8270		4/21/2008	04/26/08	BGL				

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 58 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-008-2

Sample ID: 08B13887

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Acenaphthylene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Acetophenone	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Aniline	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Benzo(a)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Benzo(a)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	04/26/08	BGL	0.44		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Butylbenzylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.88		
4-Chloroaniline	mg/kg dry wt	ND	04/26/08	BGL	0.88		
2-Chloronaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2-Chlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Chrysene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Dibenzofuran	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Dibenz(a,h)anthracene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/26/08	BGL	0.22		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Diethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 59 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-008-2

Sample ID: 08B13887

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.88		
Di-n-butylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Di-n-octylphthalate	mg/kg dry wt	ND	04/26/08	BGL	0.88		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.88		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Fluoranthene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Fluorene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Hexachlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Hexachlorobutadiene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Hexachloroethane	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Isophorone	mg/kg dry wt	ND	04/26/08	BGL	0.44		
o-cresol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
m & p-cresol(s)	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2-Methylnaphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Naphthalene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Nitrobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
4-Nitrophenol	mg/kg dry wt	ND	04/26/08	BGL	0.88		
Pentachlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Phenanthrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
Phenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
Pyrene	mg/kg dry wt	ND	04/26/08	BGL	0.22		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/26/08	BGL	0.44		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 60 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-008-2

Sample ID : 08B13887

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/26/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 61 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-905-3

Sample ID : 08B13889

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	mg/kg dry wt	0.68	04/28/08	BGL	0.26		
Acenaphthylene	mg/kg dry wt	ND	04/28/08	BGL	0.26		
Acetophenone	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Aniline	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Anthracene	mg/kg dry wt	1.44	04/28/08	BGL	0.26		
Benzo(a)anthracene	mg/kg dry wt	4.45	04/28/08	BGL	0.26		
Benzo(a)pyrene	mg/kg dry wt	3.80	04/28/08	BGL	0.26		
Benzo(b)fluoranthene	mg/kg dry wt	4.28	04/28/08	BGL	0.26		
Benzo(g,h,i)perylene	mg/kg dry wt	2.43	04/28/08	BGL	0.26		
Benzo(k)fluoranthene	mg/kg dry wt	2.38	04/28/08	BGL	0.26		
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	78.4	04/28/08	BGL	0.51		
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Butylbenzylphthalate	mg/kg dry wt	ND	04/28/08	BGL	1.01		
4-Chloroaniline	mg/kg dry wt	ND	04/28/08	BGL	1.01		
2-Chloronaphthalene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2-Chlorophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Chrysene	mg/kg dry wt	4.70	04/28/08	BGL	0.26		
Dibenzofuran	mg/kg dry wt	0.53	04/28/08	BGL	0.51		
Dibenz(a,h)anthracene	mg/kg dry wt	0.81	04/28/08	BGL	0.26		
1,2-Dichlorobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
1,3-Dichlorobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
1,4-Dichlorobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	04/28/08	BGL	0.26		
2,4-Dichlorophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Diethylphthalate	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2,4-Dimethylphenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 62 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-905-3

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID : 08B13889

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	04/28/08	BGL	1.01		
Di-n-butylphthalate	mg/kg dry wt	2.97	04/28/08	BGL	0.51		
Di-n-octylphthalate	mg/kg dry wt	1.04	04/28/08	BGL	1.01		
2,4-Dinitrophenol	mg/kg dry wt	ND	04/28/08	BGL	1.01		
2,4-Dinitrotoluene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2,6-Dinitrotoluene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Fluoranthene	mg/kg dry wt	6.99	04/28/08	BGL	0.26		
Fluorene	mg/kg dry wt	0.61	04/28/08	BGL	0.26		
Hexachlorobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Hexachlorobutadiene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Hexachloroethane	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	3.18	04/28/08	BGL	0.26		
Isophorone	mg/kg dry wt	ND	04/28/08	BGL	0.51		
o-cresol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
m & p-cresol(s)	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2-Methylnaphthalene	mg/kg dry wt	ND	04/28/08	BGL	0.26		
Naphthalene	mg/kg dry wt	0.64	04/28/08	BGL	0.26		
Nitrobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2-Nitrophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
4-Nitrophenol	mg/kg dry wt	ND	04/28/08	BGL	1.01		
Pentachlorophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Phenanthrene	mg/kg dry wt	5.88	04/28/08	BGL	0.26		
Phenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
Pyrene	mg/kg dry wt	5.28	04/28/08	BGL	0.26		
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2,4,5-Trichlorophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		
2,4,6-Trichlorophenol	mg/kg dry wt	ND	04/28/08	BGL	0.51		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 63 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-905-3

Sample ID : 08B13889

Not Specified

Sample Matrix: SOIL

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 8270	4/21/2008	04/28/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTOR FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13866

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 64 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	34.6		
C19-C36 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	34.6		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	34.6		
C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	34.6		
Acenaphthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Chrysene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Fluorene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Naphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/22/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 65 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample # : B-1/MW1-3-4

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 66 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

Sample ID: 08B13867

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	38.4			
C19-C36 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	38.4			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	38.4			
C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	38.4			
Acenaphthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Date Extracted EPH Solid		4/21/2008	04/22/08	CJM				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 67 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-2/MW2-3-4

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 68 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13868

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	36.6		
C19-C36 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	36.6		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	36.6		
C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	36.6		
Acenaphthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Chrysene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Fluorene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Naphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/22/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 69 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-3/MW3-0-1

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 70 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-001-4

Sample ID : 08B13869

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	37.3			
C19-C36 Aliphatics	mg/kg dry wt	ND	04/22/08	CJM	37.3			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	37.3			
C11-C22 Aromatics	mg/kg dry wt	ND	04/22/08	CJM	37.3			
Acenaphthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	04/22/08	CJM	0.2			
Date Extracted EPH Solid		4/21/2008	04/22/08	CJM				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

5/16/2008

Page 71 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 72 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-002-SOIL

Sample ID : 08B13870

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/24/08	CJM	277		
C19-C36 Aliphatics	mg/kg dry wt	515	04/24/08	CJM	277		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	1450	04/24/08	CJM	277		
C11-C22 Aromatics	mg/kg dry wt	1090	04/24/08	CJM	277		
Acenaphthene	mg/kg dry wt	1.3	04/24/08	CJM	1.0		
Acenaphthylene	mg/kg dry wt	6.3	04/24/08	CJM	1.0		
Anthracene	mg/kg dry wt	10.7	04/24/08	CJM	1.0		
Benzo(a)anthracene	mg/kg dry wt	24.9	04/24/08	CJM	1.0		
Benzo(a)pyrene	mg/kg dry wt	27.2	04/24/08	CJM	1.0		
Benzo(b)fluoranthene	mg/kg dry wt	39.8	04/24/08	CJM	1.0		
Benzo(g,h,i)perylene	mg/kg dry wt	14.4	04/24/08	CJM	1.0		
Benzo(k)fluoranthene	mg/kg dry wt	15.7	04/24/08	CJM	1.0		
Chrysene	mg/kg dry wt	27.6	04/24/08	CJM	1.0		
Dibenzo(a,h)anthracene	mg/kg dry wt	4.5	04/24/08	CJM	1.0		
Fluoranthene	mg/kg dry wt	66.1	04/24/08	CJM	1.0		
Fluorene	mg/kg dry wt	2.1	04/24/08	CJM	1.0		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	16.7	04/24/08	CJM	1.0		
2-Methylnaphthalene	mg/kg dry wt	1.0	04/24/08	CJM	1.0		
Naphthalene	mg/kg dry wt	2.4	04/24/08	CJM	1.0		
Phenanthrene	mg/kg dry wt	32.3	04/24/08	CJM	1.0		
Pyrene	mg/kg dry wt	67.3	04/24/08	CJM	1.0		
Date Extracted EPH Solid		4/23/2008	04/24/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 73 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 74 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-003-3

Sample ID : 08B13872

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	37.3		
C19-C36 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	37.3		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	37.3		
C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	37.3		
Acenaphthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Chrysene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluorene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Naphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/23/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 75 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-003-3

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-004-7

Sample ID: 08B13873

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 76 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	34.6		
C19-C36 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	34.6		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	34.6		
C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	34.6		
Acenaphthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Chrysene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluorene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Naphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/23/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 77 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-004-7

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546). EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 78 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID: 08B13874

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/24/08	CJM	46.0		
C19-C36 Aliphatics	mg/kg dry wt	107	04/24/08	CJM	46.0		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	1020	04/24/08	CJM	46.0		
C11-C22 Aromatics	mg/kg dry wt	977	04/24/08	CJM	46.0		
Acenaphthene	mg/kg dry wt	0.5	04/24/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Anthracene	mg/kg dry wt	1.4	04/24/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	3.1	04/24/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Chrysene	mg/kg dry wt	4.1	04/24/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	10.0	04/24/08	CJM	0.2		
Fluorene	mg/kg dry wt	0.8	04/24/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/24/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	0.3	04/24/08	CJM	0.2		
Naphthalene	mg/kg dry wt	0.5	04/24/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	8.2	04/24/08	CJM	0.2		
Pyrene	mg/kg dry wt	9.8	04/24/08	CJM	0.2		
Date Extracted EPH Solid		4/23/2008	04/24/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 79 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-005-3

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 80 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

Sample ID : 08B13875

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	46.5		
C19-C36 Aliphatics	mg/kg dry wt	102	04/23/08	CJM	46.5		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	309	04/23/08	CJM	46.5		
C11-C22 Aromatics	mg/kg dry wt	243	04/23/08	CJM	46.5		
Acenaphthene	mg/kg dry wt	0.9	04/23/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	0.3	04/23/08	CJM	0.2		
Anthracene	mg/kg dry wt	1.7	04/23/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	3.8	04/23/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	3.7	04/23/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	4.9	04/23/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	1.8	04/23/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	1.7	04/23/08	CJM	0.2		
Chrysene	mg/kg dry wt	5.0	04/23/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	0.5	04/23/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	10.8	04/23/08	CJM	0.2		
Fluorene	mg/kg dry wt	1.3	04/23/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.9	04/23/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	0.6	04/23/08	CJM	0.2		
Naphthalene	mg/kg dry wt	1.5	04/23/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	12.8	04/23/08	CJM	0.2		
Pyrene	mg/kg dry wt	12.8	04/23/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/23/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 81 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 82 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-903-3

Sample ID : 08B13876

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	38.7		
C19-C36 Aliphatics	mg/kg dry wt	ND	04/23/08	CJM	38.7		
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	38.7		
C11-C22 Aromatics	mg/kg dry wt	ND	04/23/08	CJM	38.7		
Acenaphthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Acenaphthylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(a)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(b)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(g,h,i)perylene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Benzo(k)fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Chrysene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluoranthene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Fluorene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
2-Methylnaphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Naphthalene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Phenanthrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Pyrene	mg/kg dry wt	ND	04/23/08	CJM	0.2		
Date Extracted EPH Solid		4/21/2008	04/23/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 83 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-903-3

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 84 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13877

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	ND	04/23/08	MTM	0.025		

Field Sample #: B-2/MW2-3-4

Sample ID : 08B13878

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.017	04/23/08	MTM	0.013		

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13879

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.053	04/23/08	MTM	0.017		

Field Sample #: TP-001-4

Sample ID : 08B13880

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	ND	04/23/08	MTM	0.013		

Field Sample #: TP-002-SOIL

Sample ID : 08B13881

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.332	04/23/08	MTM	0.022		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 85 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-003-3

Sample ID: 08B13882

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	ND	04/23/08	MTM	0.015		

Field Sample #: TP-004-7 QC

Sample ID: *08B13883

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	ND	04/23/08	MTM	0.012		

Field Sample #: TP-005-3

Sample ID: 08B13884

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.542	04/23/08	MTM	0.025		

Field Sample #: TP-006-2

Sample ID: 08B13885

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.274	04/23/08	MTM	0.031		

Field Sample #: TP-905-3

Sample ID: 08B13889

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/kg dry wt	0.420	04/23/08	MTM	0.019		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 86 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

SW846 3050/7471

SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 87 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-007-6

Sample ID: 08B13886

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	81.4	04/22/08	MAM			

Field Sample #: TP-008-2

Sample ID: 08B13887

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	75.9	04/22/08	MAM			

Field Sample #: TP-901-4

Sample ID: 08B13888

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	81.2	04/22/08	MAM			

Field Sample #: TP-905-3

Sample ID: 08B13889

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	66.3	04/22/08	MAM			

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 88 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-1/MW1-3-4

Sample ID : 08B13866

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	86.8	04/22/08	MAM			

Field Sample #: B-2/MW2-3-4

Sample ID : 08B13867

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	78.2	04/22/08	MAM			

Field Sample #: B-3/MW3-0-1

Sample ID : 08B13868

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	82.1	04/22/08	MAM			

Field Sample #: TP-001-4

Sample ID : 08B13869

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	80.5	04/22/08	MAM			

Field Sample #: TP-002-SOIL

Sample ID : 08B13870

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	54.2	04/22/08	MAM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 89 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: TP-003-3

Sample ID: 08B13872

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	80.5	04/22/08	MAM			

Field Sample #: TP-004-7

Sample ID: 08B13873

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	86.9	04/22/08	MAM			

Field Sample #: TP-005-3

Sample ID: 08B13874

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	65.3	04/22/08	MAM			

Field Sample #: TP-006-2

Sample ID: 08B13875

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	64.6	04/22/08	MAM			

Field Sample #: TP-903-3

Sample ID: 08B13876

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	77.5	04/22/08	MAM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

5/16/2008

Page 90 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES
CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/16/2008
Page 91 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY
Date Received: 4/18/2008
Field Sample #: B-1/MW1-3-4
Sample ID : 08B13866

LIMS-BAT #: LIMIT-15298
Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	19.7		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	19.7		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	13.1		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	13.1		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	13.1		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.066		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.066		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.066		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.655		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.066		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.131		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.066		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 92 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: B-2/MW2-3-4

Sample ID: 08B13867

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	26.0		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	26.0		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	17.3		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	17.3		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	17.3		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.087		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.087		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.087		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.865		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.087		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.173		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.087		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 93 of 101

Project Location: 29 ELM STREET, SALISBURY

LIMS-BAT #: LIMIT-15298

Date Received: 4/18/2008

Job Number: 114605.0000

Field Sample #: B-3/MW3-0-1

Sample ID : *08B13868

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	33.3		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	33.3		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	22.2		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	22.2		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	22.2		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.111		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.111		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.111		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	1.11		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.111		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.222		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.111		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/16/2008

Page 94 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-001-4

Sample ID : 08B13869

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	23.6		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	23.6		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	15.8		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	15.8		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	15.8		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.079		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.079		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.079		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.787		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.079		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.158		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.079		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-002-SOIL

Sample ID : 08B13870

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 95 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	584	04/22/08	EH	46.2		
C5-C8 Aliphatics	mg/kg dry wt	250	04/22/08	EH	46.2		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	112	04/22/08	EH	30.8		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	30.8		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	30.8		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.154		
Ethylbenzene	mg/kg dry wt	18.0	04/22/08	EH	0.154		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.154		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	1.54		
Toluene	mg/kg dry wt	334	04/22/08	EH	0.154		
m/p-Xylene	mg/kg dry wt	54.4	04/22/08	EH	0.308		
o-Xylene	mg/kg dry wt	14.5	04/22/08	EH	0.154		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/16/2008
Page 96 of 101

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY
Date Received: 4/18/2008
Field Sample #: TP-003-3
Sample ID : 08B13872

LIMS-BAT #: LIMIT-15298
Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	22.5		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	22.5		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	15.0		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	15.0		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	15.0		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.075		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.075		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.075		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.749		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.075		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.150		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.075		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-004-7

Sample ID : 08B13873

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 97 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	20.9		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	20.9		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	13.9		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	13.9		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	13.9		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.070		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.070		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.070		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.694		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.070		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.139		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.070		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 98 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-005-3

Sample ID: *08B13874

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	44.2		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	44.2		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	29.5		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	29.5		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	29.5		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.148		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.148		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.148		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	1.48		
Toluene	mg/kg dry wt	0.168	04/22/08	EH	0.148		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.295		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.148		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-006-2

Sample ID: 08B13875

Not Specified

Sample Matrix: SOIL

5/16/2008

Page 99 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	32.3		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	32.3		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	21.6		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	21.6		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	21.6		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.108		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.108		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.108		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	1.08		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.108		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.216		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.108		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/16/2008

Page 100 of 101

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

Field Sample #: TP-903-3

Sample ID: 08B13876

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	25.2		
C5-C8 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	25.2		
Unadjusted C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	16.8		
C9-C12 Aliphatics	mg/kg dry wt	ND	04/22/08	EH	16.8		
C9-C10 Aromatics	mg/kg dry wt	ND	04/22/08	EH	16.8		
Benzene	mg/kg dry wt	ND	04/22/08	EH	0.084		
Ethylbenzene	mg/kg dry wt	ND	04/22/08	EH	0.084		
MTBE	mg/kg dry wt	ND	04/22/08	EH	0.084		
Naphthalene	mg/kg dry wt	ND	04/22/08	EH	0.838		
Toluene	mg/kg dry wt	ND	04/22/08	EH	0.084		
m/p-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.168		
o-Xylene	mg/kg dry wt	ND	04/22/08	EH	0.084		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE PRESERVED WITH METHANOL AND CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED. C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

R. NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY

Date Received: 4/18/2008

The following notes were attached to the reported analysis :

5/16/2008

Page 101 of 101

LIMS-BAT #: LIMIT-15298

Job Number: 114605.0000

Sample ID: * 08B13868

Analysis: vph - solid 04

SOIL/METHANOL RATIO DOES NOT MEET METHOD SPECIFICATIONS. INSUFFICIENT AMOUNT OF SOIL. DETECTION LIMITS MAY BE ABOVE USEFUL LEVELS.

Sample ID: * 08B13874

Analysis: vph - solid 04

SOIL/METHANOL RATIO DOES NOT MEET METHOD SPECIFICATIONS. INSUFFICIENT AMOUNT OF SOIL. DETECTION LIMITS MAY BE ABOVE USEFUL LEVELS.

Sample ID: * 08B13883

Analysis: Mercury

SAMPLE DUPLICATE NOT REPORTED DUE TO "NOT DETECTED" SAMPLE AND DULPlicate RESUTLS.

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 1 of 126

QC Batch Number: GC/ECD-10994

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13880	Decachlorobiphenyl	Surrogate Recovery	93.2	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	95.0	%	30-150
08B13888	Decachlorobiphenyl	Surrogate Recovery	87.0	%	30-150
	Tetrachloro-m-Xylene	Surrogate Recovery	86.7	%	30-150
BLANK-116735	PCB-1232	Blank	<0.100	mg/kg dry wt	
	PCB-1242	Blank	<0.100	mg/kg dry wt	
	PCB-1254	Blank	<0.100	mg/kg dry wt	
	PCB-1260	Blank	<0.100	mg/kg dry wt	
	PCB-1248	Blank	<0.100	mg/kg dry wt	
	PCB-1221	Blank	<0.100	mg/kg dry wt	
	PCB 1016	Blank	<0.100	mg/kg dry wt	
	PCB 1262	Blank	<0.100	mg/kg dry wt	
	PCB 1268	Blank	<0.100	mg/kg dry wt	
LFBLANK-78313	PCB-1260	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.167	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.500	%	40-140
		Dup Lab Fort BI Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.149	mg/kg dry wt	
		Dup Lab Fort BI %Rec	74.750	%	
		Lab Fort Blank Range	8.749	units	
		Lab Fort BI. Av. Rec	79.125	%	
		LFB Duplicate RPD	11.058	%	0-30
	PCB 1016	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.177	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.500	%	40-140
		Dup Lab Fort BI Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.148	mg/kg dry wt	
		Dup Lab Fort BI %Rec	74.000	%	
		Lab Fort Blank Range	14.500	units	
		Lab Fort BI. Av. Rec	81.250	%	
		LFB Duplicate RPD	17.846	%	0-30



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 2 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13866	2-Fluorobiphenyl	Surrogate Recovery	106.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	103.4	%	40-140
	Chlorooctadecane	Sur. Recovery	72.5	%	40-140
	Terphenyl	Sur. Recovery	80.9	%	40-140
08B13867	2-Fluorobiphenyl	Surrogate Recovery	106.0	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	106.1	%	40-140
	Chlorooctadecane	Sur. Recovery	68.1	%	40-140
	Terphenyl	Sur. Recovery	80.4	%	40-140
08B13868	2-Fluorobiphenyl	Surrogate Recovery	106.5	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	107.0	%	40-140
	Chlorooctadecane	Sur. Recovery	62.0	%	40-140
	Terphenyl	Sur. Recovery	74.1	%	40-140
08B13869	2-Fluorobiphenyl	Surrogate Recovery	112.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	113.3	%	40-140
	Chlorooctadecane	Sur. Recovery	61.8	%	40-140
	Terphenyl	Sur. Recovery	77.9	%	40-140
08B13872	2-Fluorobiphenyl	Surrogate Recovery	111.5	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	112.0	%	40-140
	Chlorooctadecane	Sur. Recovery	66.0	%	40-140
	Terphenyl	Sur. Recovery	75.7	%	40-140
08B13873	2-Fluorobiphenyl	Surrogate Recovery	110.0	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	110.9	%	40-140
	Chlorooctadecane	Sur. Recovery	76.6	%	40-140
	Terphenyl	Sur. Recovery	88.3	%	40-140
08B13875	2-Fluorobiphenyl	Surrogate Recovery	109.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	103.8	%	40-140
	Chlorooctadecane	Sur. Recovery	44.7	%	40-140
	Terphenyl	Sur. Recovery	66.8	%	40-140
08B13876	2-Fluorobiphenyl	Surrogate Recovery	118.9	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	118.5	%	40-140
	Chlorooctadecane	Sur. Recovery	82.2	%	40-140
	Terphenyl	Sur. Recovery	95.7	%	40-140
BLANK-116699	Naphthalene	Blank	<0.2	mg/kg dry wt	
	Acenaphthene	Blank	<0.2	mg/kg dry wt	
	Acenaphthylene	Blank	<0.2	mg/kg dry wt	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 3 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116699	Anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.2	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.2	mg/kg dry wt	
	Chrysene	Blank	<0.2	mg/kg dry wt	
	Dibenzo(a,h)anthracene	Blank	<0.2	mg/kg dry wt	
	Fluoranthene	Blank	<0.2	mg/kg dry wt	
	Fluorene	Blank	<0.2	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.2	mg/kg dry wt	
	Phenanthrene	Blank	<0.2	mg/kg dry wt	
	Pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.2	mg/kg dry wt	
	n-Nonane	Blank	<0.2	mg/kg dry wt	
	Naphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	Unadjusted C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
	C9-C18 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C19-C36 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
LFBLANK-78274	Naphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.2	%	40-140
		Dup Lab Fort BI Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	3.6	mg/kg dry wt	
		Dup Lab Fort BI %Rec	72.4	%	40-140
		Lab Fort Blank Range	2.7	units	
		Lab Fort BI. Av. Rec	73.8	%	
		LFB Duplicate RPD	3.7	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.7	%	40-140
		Dup Lab Fort BI Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	4.0	mg/kg dry wt	
		Dup Lab Fort BI %Rec	80.5	%	40-140
		Lab Fort Blank Range	3.2	units	
		Lab Fort BI. Av. Rec	82.1	%	
		LFB Duplicate RPD	3.9	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.8	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 4 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78274	Acenaphthylene	Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.9	%	40-140
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	82.3	%	
		LFB Duplicate RPD	3.5	%	0-25
	Anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.1	%	40-140
	Benzo(a)anthracene	Lab Fort Blank Range	3.5	units	
		Lab Fort Bl. Av. Rec	91.9	%	
		LFB Duplicate RPD	3.8	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.0	%	40-140
	Benzo(a)pyrene	Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.9	%	40-140
		Lab Fort Blank Range	4.1	units	
		Lab Fort Bl. Av. Rec	89.0	%	
		LFB Duplicate RPD	4.6	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.3	%	40-140
	Benzo(g,h,i)perylene	Lab Fort Blank Range	4.1	units	
		Lab Fort Bl. Av. Rec	89.4	%	
		LFB Duplicate RPD	4.6	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.3	%	40-140
		Lab Fort Blank Range	4.3	units	
		Lab Fort Bl. Av. Rec	88.5	%	
		LFB Duplicate RPD	4.9	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 5 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78274	Benzo(g,h,i)perylene	Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.2	%	40-140
		Lab Fort Blank Range	4.4	units	
		Lab Fort Bl. Av. Rec	88.4	%	
		LFB Duplicate RPD	5.0	%	0-25
	Chrysene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.2	%	40-140
		Lab Fort Blank Range	3.9	units	
		Lab Fort Bl. Av. Rec	90.2	%	
		LFB Duplicate RPD	4.3	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.5	%	40-140
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	89.5	%	
		LFB Duplicate RPD	4.4	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.2	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.3	%	40-140
		Lab Fort Blank Range	3.9	units	
		Lab Fort Bl. Av. Rec	91.2	%	
		LFB Duplicate RPD	4.3	%	0-25
	Fluorene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.6	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	86.9	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 6 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78274	Fluorene	LFB Duplicate RPD	2.9	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.9	%	40-140
		Lab Fort Blank Range	3.9	units	
		Lab Fort Bl. Av. Rec	84.8	%	
		LFB Duplicate RPD	4.6	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.8	%	40-140
		Lab Fort Blank Range	2.8	units	
		Lab Fort Bl. Av. Rec	80.2	%	
		LFB Duplicate RPD	3.6	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
	Phenanthrene	Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.7	%	40-140
		Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	89.2	%	
		LFB Duplicate RPD	3.5	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.7	mg/kg dry wt	
	Pyrene	Lab Fort Blk. % Rec.	95.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.7	%	40-140
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	93.7	%	
		LFB Duplicate RPD	4.3	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.6	%	40-140
Benzo(k)fluoranthene		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.7	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 7 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78274	Benzo(k)fluoranthene	Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	88.6	%	
		LFB Duplicate RPD	4.3	%	0-25
	n-Nonane	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	1.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.	39.2	%	30-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	42.9	%	30-140
		Lab Fort Blank Range	3.6	units	
		Lab Fort Bl. Av. Rec	41.1	%	
		LFB Duplicate RPD	8.8	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	3.7	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	3.6	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
		LFB Duplicate RPD	8.8	%	
	2-Methylnaphthalene Aliphatic Fraction	Lab Fort Blank Amt.	4.0	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	3.9	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
		LFB Duplicate RPD	8.8	%	
	Unadjusted C11-C22 Aromatics	Lab Fort Blank Amt.	85.0	mg/kg dry wt	
		Lab Fort Blk. Found	82.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.2	%	40-140
		Dup Lab Fort Bl Amt.	85.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	78.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.2	%	40-140
		Lab Fort Blank Range	5.0	units	
		Lab Fort Bl. Av. Rec	94.7	%	
		LFB Duplicate RPD	5.3	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	30.0	mg/kg dry wt	
		Lab Fort Blk. Found	22.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.8	%	40-140
		Dup Lab Fort Bl Amt.	30.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	22.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.6	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 8 of 126

QC Batch Number: GC/FID-21009

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78274	C9-C18 Aliphatics	Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	75.2	%	
		LFB Duplicate RPD	1.5	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	40.0	mg/kg dry wt	
		Lab Fort Blk. Found	40.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.6	%	40-140
		Dup Lab Fort Bl Amt.	40.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	39.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.9	%	40-140
		Lab Fort Blank Range	3.7	units	
		Lab Fort Bl. Av. Rec	99.8	%	
		LFB Duplicate RPD	3.7	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 9 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13870	2-Fluorobiphenyl	Surrogate Recovery	115.4	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	110.1	%	40-140
	Chlorooctadecane	Sur. Recovery	46.2	%	40-140
	Terphenyl	Sur. Recovery	79.2	%	40-140
08B13874	2-Fluorobiphenyl	Surrogate Recovery	101.9	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	95.3	%	40-140
	Chlorooctadecane	Sur. Recovery	44.9	%	40-140
	Terphenyl	Sur. Recovery	61.8	%	40-140
BLANK-116700	Naphthalene	Blank	<0.2	mg/kg dry wt	
	Acenaphthene	Blank	<0.2	mg/kg dry wt	
	Acenaphthylene	Blank	<0.2	mg/kg dry wt	
	Anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.2	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.2	mg/kg dry wt	
	Chrysene	Blank	<0.2	mg/kg dry wt	
	Dibenzo(a,h)anthracene	Blank	<0.2	mg/kg dry wt	
	Fluoranthene	Blank	<0.2	mg/kg dry wt	
	Fluorene	Blank	<0.2	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.2	mg/kg dry wt	
	Phenanthrene	Blank	<0.2	mg/kg dry wt	
	Pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.2	mg/kg dry wt	
	n-Nonane	Blank	<0.2	mg/kg dry wt	
	Naphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	Unadjusted C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
	C9-C18 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C19-C36 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
LFBLANK-78275	Naphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	4.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.3	%	40-140
		Lab Fort Blank Range	13.7	units	
		Lab Fort Bl. Av. Rec	86.2	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 10 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78275					
	Naphthalene	LFB Duplicate RPD	15.9	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.3	%	40-140
		Lab Fort Blank Range	14.1	units	
		Lab Fort Bl. Av. Rec	96.4	%	
		LFB Duplicate RPD	14.6	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
	Acenaphthylene	Lab Fort Blk. Found	5.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.2	%	40-140
		Lab Fort Blank Range	14.4	units	
		Lab Fort Bl. Av. Rec	97.4	%	
		LFB Duplicate RPD	14.8	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.6	mg/kg dry wt	
	Anthracene	Lab Fort Blk. % Rec.	112.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.5	%	40-140
		Lab Fort Blank Range	15.8	units	
		Lab Fort Bl. Av. Rec	104.4	%	
		LFB Duplicate RPD	15.1	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.3	%	40-140
	Benzo(a)anthracene	Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.0	%	40-140
		Lab Fort Blank Range	15.2	units	
		Lab Fort Bl. Av. Rec	106.7	%	
		LFB Duplicate RPD	14.3	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.3	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
	Benzo(a)pyrene	Dup Lab Fort Bl. Fnd	4.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.4	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 11 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78275	Benzo(a)pyrene	Lab Fort Blank Range	16.9	units	
		Lab Fort Bl. Av. Rec	106.9	%	
		LFB Duplicate RPD	15.8	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.5	%	40-140
		Lab Fort Blank Range	15.5	units	
		Lab Fort Bl. Av. Rec	106.3	%	
		LFB Duplicate RPD	14.6	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.8	%	40-140
		Lab Fort Blank Range	17.2	units	
		Lab Fort Bl. Av. Rec	106.5	%	
		LFB Duplicate RPD	16.2	%	0-25
	Chrysene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.8	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.5	%	40-140
		Lab Fort Blank Range	15.9	units	
		Lab Fort Bl. Av. Rec	108.4	%	
		LFB Duplicate RPD	14.7	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.6	%	40-140
		Lab Fort Blank Range	18.1	units	
		Lab Fort Bl. Av. Rec	106.7	%	
		LFB Duplicate RPD	17.0	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.7	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 12 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78275	Fluoranthene	Dup Lab Fort Bl. Fnd	5.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.4	%	40-140
		Lab Fort Blank Range	12.3	units	
		Lab Fort Bl. Av. Rec	108.5	%	
		LFB Duplicate RPD	11.3	%	0-25
	Fluorene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.2	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.2	%	40-140
		Lab Fort Blank Range	14.9	units	
		Lab Fort Bl. Av. Rec	100.7	%	
		LFB Duplicate RPD	14.8	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Lab Fort Blk. Found	5.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.9	%	40-140
		Lab Fort Blank Range	16.4	units	
		Lab Fort Bl. Av. Rec	101.2	%	
		LFB Duplicate RPD	16.2	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.0	mg/kg dry wt	
	2-Methylnaphthalene	Lab Fort Blk. % Rec.	100.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.4	%	40-140
		Lab Fort Blank Range	14.1	units	
		Lab Fort Bl. Av. Rec	93.5	%	
		LFB Duplicate RPD	15.0	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.4	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.2	%	40-140
	Phenanthrene	Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.4	%	40-140
		Lab Fort Blank Range	13.8	units	
		Lab Fort Bl. Av. Rec	102.3	%	
		LFB Duplicate RPD	13.5	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.9	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 13 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78275					
Pyrene		Lab Fort Blk. % Rec.	118.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.9	%	40-140
		Lab Fort Blank Range	13.0	units	
		Lab Fort Bl. Av. Rec	111.4	%	
		LFB Duplicate RPD	11.7	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	5.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.2	%	40-140
Benzo(k)fluoranthene		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.2	%	40-140
		Lab Fort Blank Range	16.9	units	
		Lab Fort Bl. Av. Rec	105.7	%	
		LFB Duplicate RPD	16.0	%	0-25
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	2.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	42.4	%	30-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
n-Nonane		Dup Lab Fort Bl. Fnd	2.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.4	%	30-140
		Lab Fort Blank Range	15.9	units	
		Lab Fort Bl. Av. Rec	50.4	%	
		LFB Duplicate RPD	31.6	%	
		Lab Fort Blank Amt.	4.6	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	3.9	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
Naphthalene Aliphatic Fraction		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
		Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	4.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
2-Methylnaphthalene Aliphatic Fraction		Lab Fort Bl. Av. Rec	0.0	%	
		Lab Fort Blank Amt.	85.0	mg/kg dry wt	
		Lab Fort Blk. Found	98.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.			
		Dup Lab Fort Bl Amt.			
		Dup Lab Fort Bl. Fnd			
		Dup Lab Fort Bl %Rec			
		Lab Fort Blank Range			
		Lab Fort Bl. Av. Rec			
		Lab Fort Blank Amt.			
Unadjusted C11-C22 Aromatics		Lab Fort Blk. Found			



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 14 of 126

QC Batch Number: GC/FID-21010

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78275	Unadjusted C11-C22 Aromatics	Lab Fort Blk. % Rec.	116.4	%	40-140
		Dup Lab Fort Bl Amt.	85.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	88.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.8	%	40-140
		Lab Fort Blank Range	12.6	units	
		Lab Fort Bl. Av. Rec	110.1	%	
		LFB Duplicate RPD	11.4	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	30.0	mg/kg dry wt	
		Lab Fort Blk. Found	17.7	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.2	%	40-140
		Dup Lab Fort Bl Amt.	30.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	25.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.6	%	40-140
		Lab Fort Blank Range	26.4	units	
		Lab Fort Bl. Av. Rec	72.4	%	
	C19-C36 Aliphatics	LFB Duplicate RPD	36.4	%	0-25
		Lab Fort Blank Amt.	40.0	mg/kg dry wt	
		Lab Fort Blk. Found	28.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.7	%	40-140
		Dup Lab Fort Bl Amt.	40.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	41.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.2	%	40-140
		Lab Fort Blank Range	33.5	units	
		Lab Fort Bl. Av. Rec	87.5	%	
		LFB Duplicate RPD	38.2	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 15 of 126

QC Batch Number: GC/FID-21018

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13866	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	97.1	%	70-130
08B13867	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	93.2	%	70-130
08B13868	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	91.3	%	70-130
08B13869	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	96.3	%	70-130
08B13870	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	100.5	%	70-130
08B13872	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	92.8	%	70-130
08B13873	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	86.5	%	70-130
08B13874	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	96.7	%	70-130
08B13875	Nonane	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	10.611	mg/kg dry wt	
		Matrix Spike % Rec.	80.169	%	30-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	10.791	mg/kg dry wt	
		MSD % Recovery	81.525	%	
		MSD Range	1.355	units	
		MS Duplicate RPD	1.677	%	
	Pentane	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	13.236	mg/kg dry wt	
		Matrix Spike % Rec.	100.000	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	12.899	mg/kg dry wt	
		MSD % Recovery	97.457	%	
		MSD Range	2.542	units	
		MS Duplicate RPD	2.575	%	
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	93.3	%	70-130
	2-Methylpentane	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	12.226	mg/kg dry wt	
		Matrix Spike % Rec.	92.372	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	11.778	mg/kg dry wt	
		MSD % Recovery	88.983	%	
		MSD Range	3.389	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 16 of 126

QC Batch Number: GC/FID-21018

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13875	2-Methylpentane	MS Duplicate RPD	3.738	%	
		Sample Amount	<0.108	mg/kg dry wt	
	2,2,4-Trimethylpentane	Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	11.161	mg/kg dry wt	
		Matrix Spike % Rec.	84.322	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	10.791	mg/kg dry wt	
		MSD % Recovery	81.525	%	
		MSD Range	2.796	units	
		MS Duplicate RPD	3.372	%	
	n-Decane	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	11.217	mg/kg dry wt	
		Matrix Spike % Rec.	84.745	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	11.665	mg/kg dry wt	
		MSD % Recovery	88.135	%	
		MSD Range	3.389	units	
		MS Duplicate RPD	3.921	%	
	n-Butylcyclohexane	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	9.658	mg/kg dry wt	
		Matrix Spike % Rec.	72.966	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	9.792	mg/kg dry wt	
		MSD % Recovery	73.983	%	
		MSD Range	1.016	units	
		MS Duplicate RPD	1.384	%	
08B13876	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	97.3	%	70-130
BLANK-116729	C5-C8 Aliphatics	Blank	<16.0	mg/kg dry wt	
	C9-C12 Aliphatics	Blank	<10.7	mg/kg dry wt	
	Unadjusted C5-C8 Aliphatics	Blank	<16.0	mg/kg dry wt	
	Unadjusted C9-C12 Aliphatics	Blank	<10.7	mg/kg dry wt	
LFBLANK-78308	Nonane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.659	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.406	%	30-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.448	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.271	%	30-130
		Lab Fort Blank Range	3.135	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 17 of 126

QC Batch Number: GC/FID-21018

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78308	Nonane	Lab Fort Bl. Av. Rec	82.838	%	
		LFB Duplicate RPD	3.785	%	0-25
	Pentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.079	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.677	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.909	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.135	%	70-130
		Lab Fort Blank Range	2.542	units	
		Lab Fort Bl. Av. Rec	89.406	%	
		LFB Duplicate RPD	2.843	%	0-25
	2-Methylpentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.830	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.909	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.135	%	70-130
		Lab Fort Blank Range	1.694	units	
		Lab Fort Bl. Av. Rec	88.983	%	
		LFB Duplicate RPD	1.904	%	0-25
	2,2,4-Trimethylpentane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.795	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.440	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.443	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.186	%	70-130
		Lab Fort Blank Range	5.254	units	
		Lab Fort Bl. Av. Rec	83.813	%	
		LFB Duplicate RPD	6.268	%	0-25
	n-Decane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.079	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.677	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.830	%	70-130
		Lab Fort Blank Range	0.847	units	
		Lab Fort Bl. Av. Rec	90.254	%	
		LFB Duplicate RPD	0.938	%	0-25
	n-Butylcyclohexane	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.323	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.406	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.073	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 18 of 126

QC Batch Number: GC/FID-21018

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78308	n-Butylcyclohexane	Dup Lab Fort Bl %Rec	75.677	%	70-130
		Lab Fort Blank Range	3.728	units	
		Lab Fort Bl. Av. Rec	77.542	%	
		LFB Duplicate RPD	4.808	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 19 of 126

QC Batch Number: GC/PID-8647

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13866	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	105.7	%	70-130
08B13867	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	102.1	%	70-130
08B13868	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	98.0	%	70-130
08B13869	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	102.0	%	70-130
08B13870	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	104.9	%	70-130
08B13872	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	98.5	%	70-130
08B13873	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	93.2	%	70-130
08B13874	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	99.0	%	70-130
08B13875	Benzene	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	14.133	mg/kg dry wt	
		Matrix Spike % Rec.	106.779	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	14.133	mg/kg dry wt	
		MSD % Recovery	106.779	%	
		MSD Range	0.000	units	
		MS Duplicate RPD	0.000	%	
	Ethylbenzene	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	13.909	mg/kg dry wt	
		Matrix Spike % Rec.	105.084	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	13.909	mg/kg dry wt	
		MSD % Recovery	105.084	%	
		MSD Range	0.000	units	
		MS Duplicate RPD	0.000	%	
	Naphthalene	Sample Amount	<1.08	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	13.348	mg/kg dry wt	
		Matrix Spike % Rec.	100.847	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	13.797	mg/kg dry wt	
		MSD % Recovery	104.237	%	
		MSD Range	3.389	units	
		MS Duplicate RPD	3.305	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 20 of 126

QC Batch Number: GC/PIID-8647

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13875	Toluene	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	14.358	mg/kg dry wt	
		Matrix Spike % Rec.	108.474	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	14.358	mg/kg dry wt	
		MSD % Recovery	108.474	%	
		MSD Range	0.000	units	
		MS Duplicate RPD	0.000	%	
	o-Xylene	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	13.909	mg/kg dry wt	
		Matrix Spike % Rec.	105.084	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	13.909	mg/kg dry wt	
		MSD % Recovery	105.084	%	
		MSD Range	0.000	units	
		MS Duplicate RPD	0.000	%	
	m/p-Xylene	Sample Amount	<0.216	mg/kg dry wt	
		Matrix Spk Amt Added	26.472	mg/kg dry wt	
		MS Amt Measured	27.145	mg/kg dry wt	
		Matrix Spike % Rec.	102.542	%	70-130
		MSD Amount Added	26.472	mg/kg dry wt	
		MSD Amt Measured	27.482	mg/kg dry wt	
		MSD % Recovery	103.813	%	
		MSD Range	1.271	units	
		MS Duplicate RPD	1.232	%	
	MTBE	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	13.909	mg/kg dry wt	
		Matrix Spike % Rec.	105.084	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	14.021	mg/kg dry wt	
		MSD % Recovery	105.932	%	
		MSD Range	0.847	units	
		MS Duplicate RPD	0.803	%	
	1,2,4-TrimethylBenzene	Sample Amount	<0.108	mg/kg dry wt	
		Matrix Spk Amt Added	13.236	mg/kg dry wt	
		MS Amt Measured	11.665	mg/kg dry wt	
		Matrix Spike % Rec.	88.135	%	70-130
		MSD Amount Added	13.236	mg/kg dry wt	
		MSD Amt Measured	11.665	mg/kg dry wt	
		MSD % Recovery	88.135	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 21 of 126

QC Batch Number: GC/PID-8647

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13875	1,2,4-TrimethylBenzene	MSD Range	0.000	units	
		MS Duplicate RPD	0.000	%	
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	100.6	%	70-130
08B13876	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	104.1	%	70-130
BLANK-116727	Benzene	Blank	<0.054	mg/kg dry wt	
	Ethylbenzene	Blank	<0.054	mg/kg dry wt	
	Naphthalene	Blank	<0.532	mg/kg dry wt	
	Toluene	Blank	<0.054	mg/kg dry wt	
	o-Xylene	Blank	<0.054	mg/kg dry wt	
	m/p-Xylene	Blank	<0.107	mg/kg dry wt	
	C9-C10 Aromatics	Blank	<10.7	mg/kg dry wt	
	MTBE	Blank	<0.054	mg/kg dry wt	
LFBLANK-78304	Benzene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	7.045	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.084	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.988	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.237	%	70-130
		Lab Fort Blank Range	0.847	units	
		Lab Fort Bl. Av. Rec	104.661	%	
		LFB Duplicate RPD	0.809	%	0-25
	Ethylbenzene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.801	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.440	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	7.159	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.779	%	70-130
		Lab Fort Blank Range	5.338	units	
		Lab Fort Bl. Av. Rec	104.110	%	
		LFB Duplicate RPD	5.128	%	0-25
	Naphthalene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.931	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.389	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	7.159	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.779	%	70-130
		Lab Fort Blank Range	3.389	units	
		Lab Fort Bl. Av. Rec	105.084	%	
		LFB Duplicate RPD	3.225	%	0-25
	Toluene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 22 of 126

QC Batch Number: GC/PID-8647

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78304	Toluene	Lab Fort Blk. Found	7.102	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.932	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	7.159	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.779	%	70-130
		Lab Fort Blank Range	0.847	units	
		Lab Fort Bl. Av. Rec	106.355	%	
		LFB Duplicate RPD	0.796	%	0-25
	o-Xylene	Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.875	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.542	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	6.931	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.389	%	70-130
		Lab Fort Blank Range	0.847	units	
		Lab Fort Bl. Av. Rec	102.966	%	
	m/p-Xylene	LFB Duplicate RPD	0.823	%	0-25
		Lab Fort Blank Amt.	13.409	mg/kg dry wt	
		Lab Fort Blk. Found	13.465	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.423	%	70-130
		Dup Lab Fort Bl Amt.	13.409	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	13.579	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.271	%	70-130
		Lab Fort Blank Range	0.847	units	
	MTBE	Lab Fort Bl. Av. Rec	100.847	%	
		LFB Duplicate RPD	0.840	%	0-25
		Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	6.931	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.389	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	7.045	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.084	%	70-130
	1,2,4-TrimethylBenzene	Lab Fort Blank Range	1.694	units	
		Lab Fort Bl. Av. Rec	104.237	%	
		LFB Duplicate RPD	1.626	%	0-25
		Lab Fort Blank Amt.	6.704	mg/kg dry wt	
		Lab Fort Blk. Found	5.965	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.983	%	70-130
		Dup Lab Fort Bl Amt.	6.704	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	5.852	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.288	%	70-130
		Lab Fort Blank Range	1.694	units	
		Lab Fort Bl. Av. Rec	88.135	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 23 of 126

QC Batch Number: GC/PID-8647

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78304	1,2,4-TrimethylBenzene	LFB Duplicate RPD	1.923	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 24 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13877	Phenol-d6	Surrogate Recovery	104.8	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	84.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	75.4	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	100.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	81.5	%	30-130
	2-Fluorophenol	Surrogate Recovery	103.3	%	30-130
08B13878	Phenol-d6	Surrogate Recovery	115.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	86.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	90.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	76.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	77.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	112.0	%	30-130
08B13879	Phenol-d6	Surrogate Recovery	66.5	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	50.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	50.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	69.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	53.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	64.7	%	30-130
08B13880	Phenol-d6	Surrogate Recovery	65.2	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	47.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	42.4	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	60.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	54.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	64.5	%	30-130
08B13882	Phenol-d6	Surrogate Recovery	98.7	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	78.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	76.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	100.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	65.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	95.8	%	30-130
08B13883	1,4-Dichlorobenzene	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.28	mg/kg dry wt	
		Matrix Spike % Rec.	134.44	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.05	mg/kg dry wt	
		MSD % Recovery	110.48	%	
		MSD Range	23.95	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 25 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	1,4-Dichlorobenzene	MS Duplicate RPD	19.56	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.91	mg/kg dry wt	
		Matrix Spike % Rec.	95.03	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.81	mg/kg dry wt	
		MSD % Recovery	84.84	%	
		MSD Range	10.19	units	
		MS Duplicate RPD	11.34	%	0-30
	1,2-Dichlorobenzene	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.33	mg/kg dry wt	
		Matrix Spike % Rec.	138.83	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.08	mg/kg dry wt	
		MSD % Recovery	112.96	%	
		MSD Range	25.87	units	
		MS Duplicate RPD	20.55	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
	1,3-Dichlorobenzene	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.26	mg/kg dry wt	
		Matrix Spike % Rec.	131.63	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.04	mg/kg dry wt	
		MSD % Recovery	108.80	%	
		MSD Range	22.83	units	
		MS Duplicate RPD	18.99	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
	Acenaphthene	MS Amt Measured	0.83	mg/kg dry wt	
		Matrix Spike % Rec.	87.20	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.78	mg/kg dry wt	
		MSD % Recovery	81.60	%	
		MSD Range	5.59	units	
		MS Duplicate RPD	6.63	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.83	mg/kg dry wt	
	Acenaphthylene	Matrix Spike % Rec.	87.56	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.76	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 26 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Acenaphthylene	MSD % Recovery	80.08	%	
		MSD Range	7.47	units	
		MS Duplicate RPD	8.92	%	0-30
	Aniline	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.81	mg/kg dry wt	
		Matrix Spike % Rec.	85.00	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.55	mg/kg dry wt	
		MSD % Recovery	57.84	%	
		MSD Range	27.16	units	
		MS Duplicate RPD	38.02	%	0-30
	Anthracene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.84	mg/kg dry wt	
		Matrix Spike % Rec.	88.16	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.82	mg/kg dry wt	
		MSD % Recovery	85.68	%	
		MSD Range	2.48	units	
		MS Duplicate RPD	2.85	%	0-30
	Benzo(a)anthracene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.88	mg/kg dry wt	
		Matrix Spike % Rec.	91.80	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.83	mg/kg dry wt	
		MSD % Recovery	86.56	%	
		MSD Range	5.24	units	
		MS Duplicate RPD	5.87	%	0-30
	Benzo(a)pyrene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.89	mg/kg dry wt	
		Matrix Spike % Rec.	92.92	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.82	mg/kg dry wt	
		MSD % Recovery	86.40	%	
		MSD Range	6.51	units	
		MS Duplicate RPD	7.27	%	0-30
	Benzo(b)fluoranthene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.00	mg/kg dry wt	
		Matrix Spike % Rec.	104.96	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 27 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Benzo(b)fluoranthene	MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.84	mg/kg dry wt	
		MSD % Recovery	88.12	%	
		MSD Range	16.83	units	
		MS Duplicate RPD	17.44	%	0-30
	Benzo(g,h,i)perylene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.56	mg/kg dry wt	
		Matrix Spike % Rec.	59.32	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.87	mg/kg dry wt	
		MSD % Recovery	91.60	%	
		MSD Range	32.28	units	
		MS Duplicate RPD	42.77	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.31	mg/kg dry wt	
		Matrix Spike % Rec.	137.32	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.06	mg/kg dry wt	
		MSD % Recovery	110.76	%	
		MSD Range	26.56	units	
		MS Duplicate RPD	21.41	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	MS Amt Measured	0.87	mg/kg dry wt	
		Matrix Spike % Rec.	91.19	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.72	mg/kg dry wt	
		MSD % Recovery	76.04	%	
		MSD Range	15.15	units	
		MS Duplicate RPD	18.12	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.24	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Matrix Spike % Rec.	129.63	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.96	mg/kg dry wt	
		MSD % Recovery	100.84	%	
		MSD Range	28.80	units	
		MS Duplicate RPD	24.99	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate				

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 28 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Bis(2-ethylhexyl)phthalate	MS Amt Measured	0.68	mg/kg dry wt	
		Matrix Spike % Rec.	71.00	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.75	mg/kg dry wt	
		MSD % Recovery	78.84	%	
		MSD Range	7.83	units	
		MS Duplicate RPD	10.46	%	0-30
	4-Bromophenyl phenyl ether	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.83	mg/kg dry wt	
		Matrix Spike % Rec.	87.00	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.69	mg/kg dry wt	
		MSD % Recovery	72.71	%	
	Butylbenzylphthalate	MSD Range	14.28	units	
		MS Duplicate RPD	17.88	%	0-30
		Sample Amount	<0.77	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.61	mg/kg dry wt	
		Matrix Spike % Rec.	64.23	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
	4-Chloroaniline	MSD Amt Measured	0.68	mg/kg dry wt	
		MSD % Recovery	71.28	%	
		MSD Range	7.03	units	
		MS Duplicate RPD	10.38	%	0-30
		Sample Amount	<0.77	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.56	mg/kg dry wt	
	2-Chloronaphthalene	Matrix Spike % Rec.	59.04	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.55	mg/kg dry wt	
		MSD % Recovery	58.24	%	
		MSD Range	0.80	units	
		MS Duplicate RPD	1.36	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.84	mg/kg dry wt	
		Matrix Spike % Rec.	87.96	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.78	mg/kg dry wt	
		MSD % Recovery	82.20	%	
		MSD Range	5.76	units	
		MS Duplicate RPD	6.77	%	0-30



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 29 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Chrysene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.85	mg/kg dry wt	
		Matrix Spike % Rec.	89.68	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.79	mg/kg dry wt	
		MSD % Recovery	82.83	%	
		MSD Range	6.84	units	
		MS Duplicate RPD	7.92	%	0-30
	Dibenz(a,h)anthracene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.61	mg/kg dry wt	
		Matrix Spike % Rec.	64.40	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.89	mg/kg dry wt	
		MSD % Recovery	92.84	%	
		MSD Range	28.44	units	
		MS Duplicate RPD	36.17	%	0-30
	Dibenzofuran	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.82	mg/kg dry wt	
		Matrix Spike % Rec.	86.12	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.77	mg/kg dry wt	
		MSD % Recovery	81.23	%	
		MSD Range	4.88	units	
		MS Duplicate RPD	5.83	%	0-30
	3,3'-Dichlorobenzidine	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.88	mg/kg dry wt	
		Matrix Spike % Rec.	92.16	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.66	mg/kg dry wt	
		MSD % Recovery	69.00	%	
		MSD Range	23.16	units	
		MS Duplicate RPD	28.74	%	0-30
	Diethylphthalate	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.78	mg/kg dry wt	
		Matrix Spike % Rec.	81.92	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.69	mg/kg dry wt	
		MSD % Recovery	71.95	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 30 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Diethylphthalate	MSD Range	9.95	units	
		MS Duplicate RPD	12.94	%	0-30
	Dimethylphthalate	Sample Amount	<0.77	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.81	mg/kg dry wt	
		Matrix Spike % Rec.	84.52	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.69	mg/kg dry wt	
		MSD % Recovery	72.24	%	
		MSD Range	12.28	units	
		MS Duplicate RPD	15.66	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
	Di-n-butylphthalate	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.77	mg/kg dry wt	
		Matrix Spike % Rec.	80.64	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.72	mg/kg dry wt	
		MSD % Recovery	75.80	%	
		MSD Range	4.84	units	
		MS Duplicate RPD	6.18	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
	2,4-Dinitrotoluene	MS Amt Measured	0.78	mg/kg dry wt	
		Matrix Spike % Rec.	81.84	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.77	mg/kg dry wt	
		MSD % Recovery	81.28	%	
		MSD Range	0.56	units	
		MS Duplicate RPD	0.68	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.88	mg/kg dry wt	
	2,6-Dinitrotoluene	Matrix Spike % Rec.	92.64	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.81	mg/kg dry wt	
		MSD % Recovery	85.20	%	
		MSD Range	7.44	units	
		MS Duplicate RPD	8.36	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.91	mg/kg dry wt	
		Matrix Spike % Rec.	95.56	%	40-140
	1,2-Diphenylhydrazine (as Azobenzene)	MSD Amount Added	0.95	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 31 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	1,2-Diphenylhydrazine (as Azobenzene)	MSD Amt Measured	0.75	mg/kg dry wt	
		MSD % Recovery	78.80	%	
		MSD Range	16.76	units	
		MS Duplicate RPD	19.22	%	0-30
	Di-n-octylphthalate	Sample Amount	<0.77	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.06	mg/kg dry wt	
		Matrix Spike % Rec.	111.00	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.83	mg/kg dry wt	
		MSD % Recovery	86.64	%	
		MSD Range	24.36	units	
		MS Duplicate RPD	24.65	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.89	mg/kg dry wt	
	Fluoranthene	Matrix Spike % Rec.	93.07	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.00	mg/kg dry wt	
		MSD % Recovery	105.24	%	
		MSD Range	12.16	units	
		MS Duplicate RPD	12.26	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.82	mg/kg dry wt	
		Matrix Spike % Rec.	85.88	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.77	mg/kg dry wt	
	Fluorene	MSD % Recovery	81.00	%	
		MSD Range	4.87	units	
		MS Duplicate RPD	5.84	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.95	mg/kg dry wt	
		Matrix Spike % Rec.	99.68	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.79	mg/kg dry wt	
		MSD % Recovery	83.40	%	
		MSD Range	16.28	units	
		MS Duplicate RPD	17.78	%	0-30
	Hexachlorobutadiene	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.92	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 32 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Hexachlorobutadiene	Matrix Spike % Rec.	96.08	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.86	mg/kg dry wt	
		MSD % Recovery	90.36	%	
		MSD Range	5.72	units	
		MS Duplicate RPD	6.13	%	0-30
	Hexachloroethane	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.22	mg/kg dry wt	
		Matrix Spike % Rec.	127.56	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.02	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	MSD % Recovery	107.20	%	
		MSD Range	20.35	units	
		MS Duplicate RPD	17.34	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.61	mg/kg dry wt	
	Isophorone	Matrix Spike % Rec.	64.31	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.92	mg/kg dry wt	
		MSD % Recovery	96.40	%	
		MSD Range	32.08	units	
		MS Duplicate RPD	39.92	%	0-30
	2-Methylnaphthalene	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.97	mg/kg dry wt	
		Matrix Spike % Rec.	102.08	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.79	mg/kg dry wt	
	Nitrobenzene	MSD % Recovery	82.88	%	
		MSD Range	19.20	units	
		MS Duplicate RPD	20.76	%	0-30
		Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.89	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 33 of 126

QC Batch Number: GCMS/SEM-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Nitrobenzene	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.86	mg/kg dry wt	
		Matrix Spike % Rec.	89.88	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.77	mg/kg dry wt	
		MSD % Recovery	80.92	%	
		MSD Range	8.95	units	
		MS Duplicate RPD	10.49	%	0-30
	Phenanthrene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.85	mg/kg dry wt	
		Matrix Spike % Rec.	89.32	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.82	mg/kg dry wt	
		MSD % Recovery	86.24	%	
		MSD Range	3.08	units	
		MS Duplicate RPD	3.50	%	0-30
	Pyrene	Sample Amount	<0.20	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.67	mg/kg dry wt	
		Matrix Spike % Rec.	70.72	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.65	mg/kg dry wt	
		MSD % Recovery	68.07	%	
		MSD Range	2.64	units	
		MS Duplicate RPD	3.80	%	0-30
	1,2,4-Trichlorobenzene	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.89	mg/kg dry wt	
		Matrix Spike % Rec.	93.20	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.81	mg/kg dry wt	
		MSD % Recovery	84.91	%	
		MSD Range	8.28	units	
		MS Duplicate RPD	9.29	%	0-30
	2-Chlorophenol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.02	mg/kg dry wt	
		Matrix Spike % Rec.	106.96	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.77	mg/kg dry wt	
		MSD % Recovery	80.72	%	
		MSD Range	26.24	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 34 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	2-Chlorophenol	MS Duplicate RPD	27.96	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
	2,4-Dichlorophenol	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.64	mg/kg dry wt	
		Matrix Spike % Rec.	67.56	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.51	mg/kg dry wt	
		MSD % Recovery	54.00	%	
		MSD Range	13.56	units	
		MS Duplicate RPD	22.30	%	0-30
	2,4-Dimethylphenol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.66	mg/kg dry wt	
		Matrix Spike % Rec.	69.40	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.53	mg/kg dry wt	
		MSD % Recovery	55.76	%	
		MSD Range	13.64	units	
		MS Duplicate RPD	21.79	%	0-30
		Sample Amount	<0.77	mg/kg dry wt	
	2,4-Dinitrophenol	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.30	mg/kg dry wt	
		Matrix Spike % Rec.	31.79	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.53	mg/kg dry wt	
		MSD % Recovery	56.08	%	
		MSD Range	24.28	units	
		MS Duplicate RPD	55.25	%	0-30
	o-cresol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.66	mg/kg dry wt	
		Matrix Spike % Rec.	173.36	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.06	mg/kg dry wt	
		MSD % Recovery	110.68	%	
		MSD Range	62.68	units	
		MS Duplicate RPD	44.13	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
	m & p-cresol(s)	Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.77	mg/kg dry wt	
		Matrix Spike % Rec.	184.96	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.17	mg/kg dry wt	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 35 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	m & p-cresol(s)	MSD % Recovery	122.32	%	
		MSD Range	62.63	units	
		MS Duplicate RPD	40.77	%	0-30
	2-Nitrophenol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.55	mg/kg dry wt	
		Matrix Spike % Rec.	57.44	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.50	mg/kg dry wt	
		MSD % Recovery	52.88	%	
		MSD Range	4.56	units	
		MS Duplicate RPD	8.26	%	0-30
		Sample Amount	<0.77	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.59	mg/kg dry wt	
	4-Nitrophenol	Matrix Spike % Rec.	61.92	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.61	mg/kg dry wt	
		MSD % Recovery	64.00	%	
		MSD Range	2.08	units	
		MS Duplicate RPD	3.30	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.97	mg/kg dry wt	
		Matrix Spike % Rec.	101.44	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.73	mg/kg dry wt	
	Phenol	MSD % Recovery	76.16	%	
		MSD Range	25.28	units	
		MS Duplicate RPD	28.46	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.86	mg/kg dry wt	
		Matrix Spike % Rec.	90.60	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.79	mg/kg dry wt	
		MSD % Recovery	82.83	%	
		MSD Range	7.76	units	
		MS Duplicate RPD	8.94	%	0-30
	2,4,5-Trichlorophenol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.86	mg/kg dry wt	
		Matrix Spike % Rec.	90.60	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
	2,4,6-Trichlorophenol	MSD Amt Measured	0.79	mg/kg dry wt	
		MSD % Recovery	82.83	%	
		MSD Range	7.76	units	
		MS Duplicate RPD	8.94	%	0-30
		Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.57	mg/kg dry wt	
		Matrix Spike % Rec.	60.12	%	30-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 36 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	2,4,6-Trichlorophenol	MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.50	mg/kg dry wt	
		MSD % Recovery	52.64	%	
		MSD Range	7.47	units	
		MS Duplicate RPD	13.26	%	0-30
	Pentachlorophenol	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	0.55	mg/kg dry wt	
		Matrix Spike % Rec.	58.24	%	30-130
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	0.42	mg/kg dry wt	
		MSD % Recovery	43.83	%	
		MSD Range	14.40	units	
		MS Duplicate RPD	28.21	%	0-30
		Benzo(k)fluoranthene	Sample Amount	<0.20	mg/kg dry wt
	Matrix Spk Amt Added		0.95	mg/kg dry wt	
	MS Amt Measured		0.99	mg/kg dry wt	
	Matrix Spike % Rec.		103.44	%	40-140
	MSD Amount Added		0.95	mg/kg dry wt	
	MSD Amt Measured		0.88	mg/kg dry wt	
	MSD % Recovery		92.67	%	
	MSD Range		10.76	units	
	MS Duplicate RPD		10.97	%	0-30
	Phenol-d6		Surrogate Recovery	95.5	%
	Nitrobenzene-d5	Surrogate Recovery	69.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	65.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	65.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	54.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	95.5	%	30-130
	Acetophenone	Sample Amount	<0.39	mg/kg dry wt	
		Matrix Spk Amt Added	0.95	mg/kg dry wt	
		MS Amt Measured	1.62	mg/kg dry wt	
		Matrix Spike % Rec.	169.60	%	40-140
		MSD Amount Added	0.95	mg/kg dry wt	
		MSD Amt Measured	1.14	mg/kg dry wt	
MSD % Recovery		119.64	%		
MSD Range		49.96	units		
MS Duplicate RPD		34.54	%	0-30	
08B13884		Phenol-d6	Surrogate Recovery	89.7	%
	Nitrobenzene-d5	Surrogate Recovery	36.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	32.4	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	32.6	%	30-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMS-15298

Page 37 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13884	Terphenyl-d14	Surrogate Recovery	22.5	%	30-130
	2-Fluorophenol	Surrogate Recovery	89.3	%	30-130
08B13885	Phenol-d6	Surrogate Recovery	68.3	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	65.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	65.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	74.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	53.5	%	30-130
	2-Fluorophenol	Surrogate Recovery	62.5	%	30-130
08B13886	Phenol-d6	Surrogate Recovery	63.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	64.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	60.9	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	82.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	52.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	61.6	%	30-130
08B13887	Phenol-d6	Surrogate Recovery	72.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	75.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	76.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	97.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	63.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	75.2	%	30-130
08B13889	Phenol-d6	Surrogate Recovery	50.3	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	42.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	48.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	43.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	38.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	47.7	%	30-130
BLANK-116658	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.17	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.17	mg/kg dry wt	
	Acenaphthylene	Blank	<0.17	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.17	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.17	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.17	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 38 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116658					
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.17	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.17	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.17	mg/kg dry wt	
	Fluorene	Blank	<0.17	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.17	mg/kg dry wt	
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.17	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.17	mg/kg dry wt	
	Pyrene	Blank	<0.17	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 39 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116658	Benzo(k)fluoranthene	Blank	<0.17	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-78230	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.91	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.80	mg/kg dry wt	
		Dup Lab Fort BI %Rec	96.39	%	
		Lab Fort Blank Range	1.52	units	
		Lab Fort Bl. Av. Rec	97.15	%	
		LFB Duplicate RPD	1.56	%	0-30
	Naphthalene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.16	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.84	mg/kg dry wt	
		Dup Lab Fort BI %Rec	100.84	%	
		Lab Fort Blank Range	0.68	units	
		Lab Fort Bl. Av. Rec	100.50	%	
		LFB Duplicate RPD	0.67	%	0-30
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.40	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.83	mg/kg dry wt	
		Dup Lab Fort BI %Rec	100.04	%	
		Lab Fort Blank Range	0.36	units	
		Lab Fort Bl. Av. Rec	100.22	%	
		LFB Duplicate RPD	0.35	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.80	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.67	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.79	mg/kg dry wt	
		Dup Lab Fort BI %Rec	95.00	%	
		Lab Fort Blank Range	1.67	units	
		Lab Fort Bl. Av. Rec	95.84	%	
		LFB Duplicate RPD	1.75	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.00	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 40 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230					
Acenaphthene		Dup Lab Fort Bl. Fnd	0.86	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.88	%	
		Lab Fort Blank Range	2.12	units	
		Lab Fort Bl. Av. Rec	104.94	%	
		LFB Duplicate RPD	2.02	%	0-30
Acenaphthylene		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.56	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.86	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.72	%	
		Lab Fort Blank Range	2.84	units	
		Lab Fort Bl. Av. Rec	105.14	%	
		LFB Duplicate RPD	2.70	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
Aniline		Lab Fort Blk. Found	0.52	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.35	%	10-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.55	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.23	%	
		Lab Fort Blank Range	2.88	units	
		Lab Fort Bl. Av. Rec	64.80	%	
		LFB Duplicate RPD	4.44	%	0-50
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
Anthracene		Lab Fort Blk. % Rec.	113.56	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.84	%	
		Lab Fort Blank Range	1.71	units	
		Lab Fort Bl. Av. Rec	112.70	%	
		LFB Duplicate RPD	1.52	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.12	%	40-140
Benzo(a)anthracene		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.00	%	
		Lab Fort Blank Range	4.12	units	
		Lab Fort Bl. Av. Rec	113.06	%	
		LFB Duplicate RPD	3.64	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.93	mg/kg dry wt	
Benzo(a)pyrene					



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 41 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	Benzo(a)pyrene	Lab Fort Blk. % Rec.	111.72	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.20	%	
		Lab Fort Blank Range	1.51	units	
		Lab Fort Bl. Av. Rec	110.96	%	
		LFB Duplicate RPD	1.36	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.32	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.40	%	
		Lab Fort Blank Range	0.07	units	
		Lab Fort Bl. Av. Rec	110.36	%	
	Benzo(g,h,i)perylene	LFB Duplicate RPD	0.07	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.20	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.00	%	
	Bis(2-chloroethyl)ether	Lab Fort Blank Range	2.80	units	
		Lab Fort Bl. Av. Rec	110.60	%	
		LFB Duplicate RPD	2.53	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.64	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Dup Lab Fort Bl. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.75	%	
		Lab Fort Blank Range	1.11	units	
		Lab Fort Bl. Av. Rec	98.20	%	
		LFB Duplicate RPD	1.14	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.78	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.80	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.79	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.20	%	
		Lab Fort Blank Range	1.40	units	
		Lab Fort Bl. Av. Rec	94.50	%	
		LFB Duplicate RPD	1.48	%	0-30



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 42 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.77	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.75	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.79	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.24	%	
		Lab Fort Blank Range	2.48	units	
		Lab Fort Bl. Av. Rec	93.99	%	
		LFB Duplicate RPD	2.63	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.52	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.87	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.44	%	
		Lab Fort Blank Range	2.91	units	
		Lab Fort Bl. Av. Rec	102.98	%	
		LFB Duplicate RPD	2.83	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.71	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.19	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.72	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.72	%	
		Lab Fort Blank Range	1.52	units	
		Lab Fort Bl. Av. Rec	85.95	%	
		LFB Duplicate RPD	1.76	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.52	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.44	%	
		Lab Fort Blank Range	1.92	units	
		Lab Fort Bl. Av. Rec	98.48	%	
		LFB Duplicate RPD	1.94	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.68	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.88	%	10-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.68	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.71	%	
		Lab Fort Blank Range	0.16	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 43 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	4-Chloroaniline	Lab Fort Bl. Av. Rec	81.80	%	
		LFB Duplicate RPD	0.19	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.88	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.67	%	
		Lab Fort Blank Range	1.20	units	
		Lab Fort Bl. Av. Rec	100.28	%	
		LFB Duplicate RPD	1.19	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
	Chrysene	Lab Fort Blk. Found	0.92	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.24	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.88	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.16	%	
		Lab Fort Blank Range	5.08	units	
		Lab Fort Bl. Av. Rec	108.70	%	
		LFB Duplicate RPD	4.67	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.96	mg/kg dry wt	
	Dibenz(a,h)anthracene	Lab Fort Blk. % Rec.	115.76	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.96	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.36	%	
		Lab Fort Blank Range	0.59	units	
		Lab Fort Bl. Av. Rec	116.06	%	
		LFB Duplicate RPD	0.51	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.92	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.64	%	40-140
	Dibenzofuran	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.89	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.48	%	
		Lab Fort Blank Range	3.16	units	
		Lab Fort Bl. Av. Rec	109.06	%	
		LFB Duplicate RPD	2.89	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.76	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.76	%	20-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Dup Lab Fort Bl. Fnd	0.76	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 44 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230					
3,3'-Dichlorobenzidine		Dup Lab Fort Bl %Rec	91.19	%	
		Lab Fort Blank Range	0.56	units	
		Lab Fort Bl. Av. Rec	91.48	%	
		LFB Duplicate RPD	0.61	%	0-50
Diethylphthalate		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.85	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.20	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.11	%	
		Lab Fort Blank Range	3.08	units	
		Lab Fort Bl. Av. Rec	100.66	%	
		LFB Duplicate RPD	3.05	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
Dimethylphthalate		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.59	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.78	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.72	%	
		Lab Fort Blank Range	2.87	units	
		Lab Fort Bl. Av. Rec	96.16	%	
		LFB Duplicate RPD	2.99	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.85	mg/kg dry wt	
Di-n-butylphthalate		Lab Fort Blk. % Rec.	102.40	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.59	%	
		Lab Fort Blank Range	2.79	units	
		Lab Fort Bl. Av. Rec	101.00	%	
		LFB Duplicate RPD	2.77	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	1.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	129.72	%	40-140
2,4-Dinitrotoluene		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.99	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.60	%	
		Lab Fort Blank Range	10.12	units	
		Lab Fort Bl. Av. Rec	124.66	%	
		LFB Duplicate RPD	8.11	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.64	%	40-140
2,6-Dinitrotoluene					



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 45 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	2,6-Dinitrotoluene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.20	%	
		Lab Fort Blank Range	4.43	units	
		Lab Fort Bl. Av. Rec	115.42	%	
		LFB Duplicate RPD	3.84	%	0-30
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.74	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.84	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.76	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.36	%	
	Di-n-octylphthalate	Lab Fort Blank Range	3.51	units	
		Lab Fort Bl. Av. Rec	90.60	%	
		LFB Duplicate RPD	3.88	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.59	%	40-140
	Fluoranthene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.86	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.68	%	
		Lab Fort Blank Range	4.07	units	
		Lab Fort Bl. Av. Rec	101.64	%	
		LFB Duplicate RPD	4.01	%	0-30
	Fluorene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	1.17	mg/kg dry wt	
		Lab Fort Blk. % Rec.	141.16	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.02	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.44	%	
	Hexachlorobenzene	Lab Fort Blank Range	17.71	units	
		Lab Fort Bl. Av. Rec	132.30	%	
		LFB Duplicate RPD	13.39	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.96	%	40-140
	Hexachlorobenzene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.76	%	
		Lab Fort Blank Range	3.20	units	
		Lab Fort Bl. Av. Rec	115.36	%	
		LFB Duplicate RPD	2.77	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 46 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	Hexachlorobenzene	Lab Fort Blk. Found	0.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.00	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.56	%	
		Lab Fort Blank Range	0.55	units	
		Lab Fort Bl. Av. Rec	100.28	%	
		LFB Duplicate RPD	0.55	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.12	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.85	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.72	%	
		Lab Fort Blank Range	1.59	units	
		Lab Fort Bl. Av. Rec	101.92	%	
	Hexachloroethane	LFB Duplicate RPD	1.56	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.31	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.78	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.64	%	
		Lab Fort Blank Range	2.67	units	
	Indeno(1,2,3-cd)pyrene	Lab Fort Bl. Av. Rec	95.98	%	
		LFB Duplicate RPD	2.79	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	119.16	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.02	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.56	%	
	Isophorone	Lab Fort Blank Range	4.40	units	
		Lab Fort Bl. Av. Rec	121.36	%	
		LFB Duplicate RPD	3.62	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.89	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.32	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.87	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.40	%	
		Lab Fort Blank Range	1.91	units	
		Lab Fort Bl. Av. Rec	106.36	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 47 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	Isophorone	LFB Duplicate RPD	1.80	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.24	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.81	mg/kg dry wt	
		Dup Lab Fort BI %Rec	97.64	%	
		Lab Fort Blank Range	0.60	units	
		Lab Fort BI. Av. Rec	97.94	%	
		LFB Duplicate RPD	0.61	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.80	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.11	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.80	mg/kg dry wt	
		Dup Lab Fort BI %Rec	97.12	%	
		Lab Fort Blank Range	1.00	units	
		Lab Fort BI. Av. Rec	96.62	%	
		LFB Duplicate RPD	1.03	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
	Nitrobenzene	Lab Fort Blk. Found	0.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.44	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.90	mg/kg dry wt	
		Dup Lab Fort BI %Rec	108.44	%	
		Lab Fort Blank Range	5.00	units	
		Lab Fort BI. Av. Rec	110.94	%	
		LFB Duplicate RPD	4.50	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
	Phenanthrene	Lab Fort Blk. % Rec.	113.56	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.95	mg/kg dry wt	
		Dup Lab Fort BI %Rec	114.60	%	
		Lab Fort Blank Range	1.04	units	
		Lab Fort BI. Av. Rec	114.08	%	
		LFB Duplicate RPD	0.91	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.40	%	40-140
	Pyrene	Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort BI %Rec	98.72	%	
	1,2,4-Trichlorobenzene	LFB Duplicate RPD	0.91	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.40	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort BI %Rec	98.72	%	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 48 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	1,2,4-Trichlorobenzene	Lab Fort Blank Range	1.31	units	
		Lab Fort Bl. Av. Rec	98.06	%	
		LFB Duplicate RPD	1.34	%	0-30
	2-Chlorophenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.60	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.31	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.61	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.52	%	
		Lab Fort Blank Range	1.20	units	
	2,4-Dichlorophenol	Lab Fort Bl. Av. Rec	72.92	%	
		LFB Duplicate RPD	1.64	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.58	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.80	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.58	mg/kg dry wt	
	2,4-Dimethylphenol	Dup Lab Fort Bl %Rec	69.64	%	
		Lab Fort Blank Range	0.15	units	
		Lab Fort Bl. Av. Rec	69.72	%	
		LFB Duplicate RPD	0.22	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.55	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.80	%	30-130
	2,4-Dinitrophenol	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.57	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.64	%	
		Lab Fort Blank Range	1.83	units	
		Lab Fort Bl. Av. Rec	67.72	%	
		LFB Duplicate RPD	2.71	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
	o-cresol	Lab Fort Blk. Found	0.45	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.51	%	10-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.39	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	47.76	%	
		Lab Fort Blank Range	6.75	units	
		Lab Fort Bl. Av. Rec	51.13	%	
		LFB Duplicate RPD	13.21	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.72	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 49 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230					
o-cresol		Dup Lab Fort Bl. Fnd	0.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.44	%	
		Lab Fort Blank Range	3.72	units	
		Lab Fort Bl. Av. Rec	111.58	%	
		LFB Duplicate RPD	3.33	%	0-30
	m & p-cresol(s)	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.92	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	122.28	%	
		Lab Fort Blank Range	5.36	units	
		Lab Fort Bl. Av. Rec	119.60	%	
		LFB Duplicate RPD	4.48	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.53	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.28	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.54	mg/kg dry wt	
2-Nitrophenol		Dup Lab Fort Bl %Rec	65.04	%	
		Lab Fort Blank Range	0.75	units	
		Lab Fort Bl. Av. Rec	64.66	%	
		LFB Duplicate RPD	1.17	%	0-30
	4-Nitrophenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.35	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.99	%	
		Lab Fort Blank Range	9.35	units	
		Lab Fort Bl. Av. Rec	82.67	%	
		LFB Duplicate RPD	11.32	%	0-50
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.91	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.60	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.83	%	
Phenol		Lab Fort Blank Range	1.92	units	
		Lab Fort Bl. Av. Rec	71.87	%	
		LFB Duplicate RPD	2.67	%	0-30
	2,4,5-Trichlorophenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.92	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 50 of 126

QC Batch Number: GCMS/SEMI-10706

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78230	2,4,5-Trichlorophenol	Lab Fort Blk. % Rec.	110.84	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.89	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.04	%	
		Lab Fort Blank Range	3.80	units	
		Lab Fort Bl. Av. Rec	108.94	%	
	2,4,6-Trichlorophenol	LFB Duplicate RPD	3.48	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.57	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.72	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.55	mg/kg dry wt	
	Pentachlorophenol	Dup Lab Fort Bl %Rec	67.16	%	
		Lab Fort Blank Range	1.55	units	
		Lab Fort Bl. Av. Rec	67.94	%	
		LFB Duplicate RPD	2.29	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.44	mg/kg dry wt	
	Benzo(k)fluoranthene	Lab Fort Blk. % Rec.	53.88	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.39	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	47.55	%	
		Lab Fort Blank Range	6.32	units	
		Lab Fort Bl. Av. Rec	50.71	%	
	Acetophenone	LFB Duplicate RPD	12.46	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.90	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.12	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.76	%	
		Lab Fort Blank Range	2.64	units	
		Lab Fort Bl. Av. Rec	109.44	%	
		LFB Duplicate RPD	2.41	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.64	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.96	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.16	%	
		Lab Fort Blank Range	2.51	units	
		Lab Fort Bl. Av. Rec	114.90	%	
		LFB Duplicate RPD	2.19	%	0-30



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 51 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13881	Phenol-d6	Surrogate Recovery	43.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	42.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	40.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	49.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	37.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	40.0	%	30-130
BLANK-116781	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.17	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.17	mg/kg dry wt	
	Acenaphthylene	Blank	<0.17	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.17	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.17	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.17	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.17	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.17	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.17	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.17	mg/kg dry wt	
	Fluorene	Blank	<0.17	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 52 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116781	Indeno(1,2,3-cd)pyrene	Blank	<0.17	mg/kg dry wt	
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.17	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.17	mg/kg dry wt	
	Pyrene	Blank	<0.17	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.17	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-78356	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.64	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.54	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.95	%	
		Lab Fort Blank Range	5.67	units	
		Lab Fort Bl. Av. Rec	68.80	%	
	Naphthalene	LFB Duplicate RPD	8.25	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.60	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.59	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.55	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.59	%	
		Lab Fort Blank Range	5.99	units	
	1,2-Dichlorobenzene	Lab Fort Bl. Av. Rec	69.59	%	
		LFB Duplicate RPD	8.62	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.60	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.64	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 53 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	1,2-Dichlorobenzene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.56	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.47	%	
		Lab Fort Blank Range	5.16	units	
		Lab Fort Bl. Av. Rec	70.06	%	
		LFB Duplicate RPD	7.36	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.15	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.54	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.72	%	
	Acenaphthene	Lab Fort Blank Range	5.43	units	
		Lab Fort Bl. Av. Rec	68.44	%	
		LFB Duplicate RPD	7.94	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.28	%	40-140
	Acenaphthylene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.60	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.35	%	
		Lab Fort Blank Range	2.92	units	
		Lab Fort Bl. Av. Rec	73.81	%	
		LFB Duplicate RPD	3.95	%	0-30
	Aniline	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.63	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.71	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.60	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.35	%	
	Anthracene	Lab Fort Blank Range	3.36	units	
		Lab Fort Bl. Av. Rec	74.04	%	
		LFB Duplicate RPD	4.53	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	23.88	%	10-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 54 of 126

QC Batch Number: GCMS/SEM-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Anthracene	Lab Fort Blk. Found	0.67	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.40	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.64	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.67	%	
		Lab Fort Blank Range	2.72	units	
		Lab Fort Bl. Av. Rec	79.03	%	
		LFB Duplicate RPD	3.44	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.56	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.28	%	
		Lab Fort Blank Range	1.27	units	
		Lab Fort Bl. Av. Rec	78.92	%	
	Benzo(a)pyrene	LFB Duplicate RPD	1.62	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.67	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.23	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.23	%	
		Lab Fort Blank Range	3.00	units	
	Benzo(b)fluoranthene	Lab Fort Bl. Av. Rec	79.73	%	
		LFB Duplicate RPD	3.76	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.70	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.35	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.68	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.35	%	
	Benzo(g,h,i)perylene	Lab Fort Blank Range	2.00	units	
		Lab Fort Bl. Av. Rec	83.35	%	
		LFB Duplicate RPD	2.39	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.52	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.48	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.51	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.12	%	
		Lab Fort Blank Range	0.36	units	
		Lab Fort Bl. Av. Rec	62.30	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 55 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356					
	Benzo(g,h,i)perylene	LFB Duplicate RPD	0.57	%	0-30
	Bis(2-chloroethyl)ether	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.56	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.47	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.03	%	
		Lab Fort Blank Range	4.44	units	
		Lab Fort Bl. Av. Rec	65.25	%	
		LFB Duplicate RPD	6.80	%	0-30
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.55	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.00	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.03	%	
		Lab Fort Blank Range	2.96	units	
		Lab Fort Bl. Av. Rec	64.51	%	
		LFB Duplicate RPD	4.58	%	0-30
	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.53	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.88	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.51	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.04	%	
		Lab Fort Blank Range	1.84	units	
		Lab Fort Bl. Av. Rec	62.96	%	
		LFB Duplicate RPD	2.92	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.48	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.52	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.50	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.24	%	
		Lab Fort Blank Range	1.71	units	
		Lab Fort Bl. Av. Rec	59.38	%	
		LFB Duplicate RPD	2.89	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.58	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.19	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.56	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.95	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 56 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356					
	4-Bromophenyl phenyl ether	Lab Fort Blank Range	2.23	units	
		Lab Fort Bl. Av. Rec	69.08	%	
		LFB Duplicate RPD	3.24	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.45	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.48	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.46	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.80	%	
		Lab Fort Blank Range	1.32	units	
		Lab Fort Bl. Av. Rec	55.14	%	
		LFB Duplicate RPD	2.39	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.29	mg/kg dry wt	
		Lab Fort Blk. % Rec.	35.31	%	10-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.30	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	36.44	%	
		Lab Fort Blank Range	1.12	units	
		Lab Fort Bl. Av. Rec	35.88	%	
		LFB Duplicate RPD	3.12	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.61	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.55	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.59	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.52	%	
		Lab Fort Blank Range	2.04	units	
		Lab Fort Bl. Av. Rec	72.54	%	
		LFB Duplicate RPD	2.81	%	0-30
	Chrysene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.67	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.63	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.83	%	
		Lab Fort Blank Range	3.84	units	
		Lab Fort Bl. Av. Rec	77.75	%	
		LFB Duplicate RPD	4.93	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.58	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.19	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 57 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Dibenz(a,h)anthracene	Dup Lab Fort Bl. Fnd	0.56	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.31	%	
		Lab Fort Blank Range	2.87	units	
		Lab Fort Bl. Av. Rec	68.76	%	
		LFB Duplicate RPD	4.18	%	0-30
	Dibenzofuran	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.64	mg/kg dry wt	
		Lab Fort Blk. % Rec.	77.48	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.60	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Dup Lab Fort Bl %Rec	72.28	%	
		Lab Fort Blank Range	5.19	units	
		Lab Fort Bl. Av. Rec	74.88	%	
		LFB Duplicate RPD	6.94	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
	Diethylphthalate	Lab Fort Blk. Found	0.44	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.95	%	20-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.24	%	
	Dimethylphthalate	Lab Fort Blank Range	4.71	units	
		Lab Fort Bl. Av. Rec	50.59	%	
		LFB Duplicate RPD	9.32	%	0-50
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.56	mg/kg dry wt	
	Di-n-butylphthalate	Lab Fort Blk. % Rec.	67.23	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.57	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.11	%	
		Lab Fort Blank Range	1.88	units	
		Lab Fort Bl. Av. Rec	68.17	%	
		LFB Duplicate RPD	2.75	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.56	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.15	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.58	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.64	%	
		Lab Fort Blank Range	1.48	units	
		Lab Fort Bl. Av. Rec	68.90	%	
		LFB Duplicate RPD	2.14	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.56	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 58 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Di-n-butylphthalate	Lab Fort Blk. % Rec.	67.36	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.55	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.52	%	
		Lab Fort Blank Range	0.83	units	
		Lab Fort Bl. Av. Rec	66.94	%	
	2,4-Dinitrotoluene	LFB Duplicate RPD	1.25	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.64	mg/kg dry wt	
		Lab Fort Blk. % Rec.	77.55	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.63	mg/kg dry wt	
	2,6-Dinitrotoluene	Dup Lab Fort Bl %Rec	76.36	%	
		Lab Fort Blank Range	1.19	units	
		Lab Fort Bl. Av. Rec	76.95	%	
		LFB Duplicate RPD	1.55	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.67	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blk. % Rec.	81.23	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.76	%	
		Lab Fort Blank Range	2.47	units	
		Lab Fort Bl. Av. Rec	80.00	%	
	Di-n-octylphthalate	LFB Duplicate RPD	3.09	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.11	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.61	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.36	%	
		Lab Fort Blank Range	1.75	units	
		Lab Fort Bl. Av. Rec	74.23	%	
		LFB Duplicate RPD	2.37	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.53	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.52	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.53	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.92	%	
		Lab Fort Blank Range	0.60	units	
		Lab Fort Bl. Av. Rec	64.22	%	
		LFB Duplicate RPD	0.93	%	0-30



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 59 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFB LANK-78356	Fluoranthene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.65	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.59	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort BI %Rec	78.52	%	
		Lab Fort Blank Range	0.07	units	
		Lab Fort BI. Av. Rec	78.56	%	
		LFB Duplicate RPD	0.10	%	0-30
	Fluorene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.64	mg/kg dry wt	
		Lab Fort Blk. % Rec.	77.95	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.62	mg/kg dry wt	
		Dup Lab Fort BI %Rec	74.72	%	
		Lab Fort Blank Range	3.24	units	
		Lab Fort BI. Av. Rec	76.34	%	
		LFB Duplicate RPD	4.24	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.23	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort BI %Rec	78.35	%	
		Lab Fort Blank Range	1.88	units	
		Lab Fort BI. Av. Rec	79.29	%	
		LFB Duplicate RPD	2.37	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.63	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.92	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.58	mg/kg dry wt	
		Dup Lab Fort BI %Rec	69.92	%	
		Lab Fort Blank Range	5.99	units	
		Lab Fort BI. Av. Rec	72.92	%	
		LFB Duplicate RPD	8.22	%	0-30
	Hexachloroethane	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.58	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.12	%	40-140
		Dup Lab Fort BI Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort BI. Fnd	0.56	mg/kg dry wt	
		Dup Lab Fort BI %Rec	67.47	%	
		Lab Fort Blank Range	2.64	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 60 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Hexachloroethane	Lab Fort Bl. Av. Rec	68.80	%	
		LFB Duplicate RPD	3.83	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.58	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.67	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.58	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.64	%	
		Lab Fort Blank Range	1.03	units	
		Lab Fort Bl. Av. Rec	70.16	%	
		LFB Duplicate RPD	1.48	%	0-30
	Isophorone	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	74.84	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.59	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.39	%	
		Lab Fort Blank Range	3.44	units	
		Lab Fort Bl. Av. Rec	73.12	%	
	2-Methylnaphthalene	LFB Duplicate RPD	4.70	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.56	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.27	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.24	%	
		Lab Fort Blank Range	5.03	units	
	Nitrobenzene	Lab Fort Bl. Av. Rec	65.75	%	
		LFB Duplicate RPD	7.66	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.57	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.56	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.55	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.04	%	
	Phenanthrene	Lab Fort Blank Range	2.52	units	
		Lab Fort Bl. Av. Rec	68.30	%	
		LFB Duplicate RPD	3.68	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.65	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.95	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.63	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 61 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Phenanthrene	Dup Lab Fort Bl %Rec	76.36	%	
		Lab Fort Blank Range	2.59	units	
		Lab Fort Bl. Av. Rec	77.66	%	
		LFB Duplicate RPD	3.34	%	0-30
	Pyrene	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.51	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.00	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.60	%	
		Lab Fort Blank Range	0.60	units	
		Lab Fort Bl. Av. Rec	62.30	%	
		LFB Duplicate RPD	0.96	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.36	%	40-140
	1,2,4-Trichlorobenzene	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.56	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.52	%	
		Lab Fort Blank Range	3.84	units	
		Lab Fort Bl. Av. Rec	69.44	%	
		LFB Duplicate RPD	5.52	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.42	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.32	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.00	%	
	2-Chlorophenol	Lab Fort Blank Range	3.32	units	
		Lab Fort Bl. Av. Rec	49.66	%	
		LFB Duplicate RPD	6.68	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	48.44	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.38	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	46.11	%	
		Lab Fort Blank Range	2.32	units	
		Lab Fort Bl. Av. Rec	47.28	%	
		LFB Duplicate RPD	4.90	%	0-30
	2,4-Dimethylphenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	48.36	%	30-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 62 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	2,4-Dimethylphenol	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	44.96	%	
		Lab Fort Blank Range	3.39	units	
		Lab Fort Bl. Av. Rec	46.66	%	
		LFB Duplicate RPD	7.28	%	0-30
	2,4-Dinitrophenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.23	mg/kg dry wt	
		Lab Fort Blk. % Rec.	28.56	%	10-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.24	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	29.55	%	
	o-cresol	Lab Fort Blank Range	0.99	units	
		Lab Fort Bl. Av. Rec	29.06	%	
		LFB Duplicate RPD	3.44	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.72	%	30-130
	m & p-cresol(s)	Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.68	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.67	%	
		Lab Fort Blank Range	10.96	units	
		Lab Fort Bl. Av. Rec	77.20	%	
		LFB Duplicate RPD	14.19	%	0-30
	2-Nitrophenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.68	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.35	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.71	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.88	%	
	4-Nitrophenol	Lab Fort Blank Range	3.52	units	
		Lab Fort Bl. Av. Rec	84.11	%	
		LFB Duplicate RPD	4.18	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	45.87	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.35	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	42.60	%	
		Lab Fort Blank Range	3.27	units	
		Lab Fort Bl. Av. Rec	44.23	%	
		LFB Duplicate RPD	7.41	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 63 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	4-Nitrophenol	Lab Fort Blk. Found	0.50	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.68	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.49	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.40	%	
		Lab Fort Blank Range	1.28	units	
		Lab Fort Bl. Av. Rec	60.04	%	
		LFB Duplicate RPD	2.13	%	0-50
	Phenol	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	48.03	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	45.51	%	
		Lab Fort Blank Range	2.51	units	
		Lab Fort Bl. Av. Rec	46.77	%	
	2,4,5-Trichlorophenol	LFB Duplicate RPD	5.38	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.83	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.61	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.07	%	
		Lab Fort Blank Range	5.76	units	
	2,4,6-Trichlorophenol	Lab Fort Bl. Av. Rec	76.95	%	
		LFB Duplicate RPD	7.48	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.41	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.52	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.03	%	
	Pentachlorophenol	Lab Fort Blank Range	1.48	units	
		Lab Fort Bl. Av. Rec	48.78	%	
		LFB Duplicate RPD	3.03	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.16	mg/kg dry wt	
		Lab Fort Blk. % Rec.	20.00	%	30-130
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	23.40	%	
		Lab Fort Blank Range	3.39	units	
		Lab Fort Bl. Av. Rec	21.70	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 64 of 126

QC Batch Number: GCMS/SEMI-10721

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78356	Pentachlorophenol	LFB Duplicate RPD	15.66	%	0-30
		Lab Fort Blank Amt.	0.83	mg/kg dry wt	
	Benzo(k)fluoranthene	Lab Fort Blk. Found	0.70	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.80	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.16	%	
		Lab Fort Blank Range	5.64	units	
		Lab Fort Bl. Av. Rec	81.98	%	
		LFB Duplicate RPD	6.87	%	0-30
	Acetophenone	Lab Fort Blank Amt.	0.83	mg/kg dry wt	
		Lab Fort Blk. Found	0.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.59	%	40-140
		Dup Lab Fort Bl Amt.	0.83	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.63	%	
		Lab Fort Blank Range	0.96	units	
		Lab Fort Bl. Av. Rec	79.11	%	
		LFB Duplicate RPD	1.21	%	0-30

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 65 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13881	1,2-Dichloroethane-d4	Surrogate Recovery	82.440	%	70-130
	Toluene-d8	Surrogate Recovery	98.760	%	70-130
	Bromofluorobenzene	Surrogate Recovery	89.960	%	70-130
08B13886	1,2-Dichloroethane-d4	Surrogate Recovery	92.880	%	70-130
	Toluene-d8	Surrogate Recovery	114.000	%	70-130
	Bromofluorobenzene	Surrogate Recovery	105.480	%	70-130
08B13887	1,2-Dichloroethane-d4	Surrogate Recovery	95.360	%	70-130
	Toluene-d8	Surrogate Recovery	116.560	%	70-130
	Bromofluorobenzene	Surrogate Recovery	107.600	%	70-130
BLANK-116522	Acetone	Blank	<10.	mg/kg dry wt	
	Benzene	Blank	<0.20	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.20	mg/kg dry wt	
	Chloroform	Blank	<0.40	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.20	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.20	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.20	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<4.0	mg/kg dry wt	
	MIBK	Blank	<2.0	mg/kg dry wt	
	Naphthalene	Blank	<0.40	mg/kg dry wt	
	Styrene	Blank	<0.20	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.20	mg/kg dry wt	
	Toluene	Blank	<0.20	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.20	mg/kg dry wt	
	Trichloroethylene	Blank	<0.20	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<1.0	mg/kg dry wt	
	o-Xylene	Blank	<0.20	mg/kg dry wt	
	m + p Xylene	Blank	<0.40	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.20	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.20	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.20	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.40	mg/kg dry wt	
	1,4-Dioxane	Blank	<10.	mg/kg dry wt	
	MTBE	Blank	<0.40	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.20	mg/kg dry wt	
	Vinyl Chloride	Blank	<1.0	mg/kg dry wt	
	Methylene Chloride	Blank	<2.0	mg/kg dry wt	
	Chlorobenzene	Blank	<0.20	mg/kg dry wt	
	Chloromethane	Blank	<1.0	mg/kg dry wt	
	Bromomethane	Blank	<1.0	mg/kg dry wt	
	Chloroethane	Blank	<2.0	mg/kg dry wt	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 66 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116522	cis-1,3-Dichloropropene	Blank	<0.10	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.10	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.10	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.20	mg/kg dry wt	
	Bromoform	Blank	<0.40	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.10	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.20	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.20	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.20	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.20	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.20	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.20	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.20	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.20	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.20	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.20	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.20	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.20	mg/kg dry wt	
	Dibromomethane	Blank	<0.20	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.20	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.20	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.20	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.10	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.20	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.20	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.20	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.20	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<2.0	mg/kg dry wt	
	Bromochloromethane	Blank	<0.20	mg/kg dry wt	
	Bromobenzene	Blank	<0.20	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.60	mg/kg dry wt	
	2-Hexanone	Blank	<2.0	mg/kg dry wt	
	Diethyl Ether	Blank	<2.0	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.20	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.20	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.10	mg/kg dry wt	
	Tetrahydrofuran	Blank	<1.0	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.10	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.10	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.10	mg/kg dry wt	
LFBLANK-78095	Acetone	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.546	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 67 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Acetone	Lab Fort Blk. % Rec.	77.300	%	50-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.770	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.500	%	70-160
		Lab Fort Blank Range	11.200	units	
		Lab Fort Bl. Av. Rec	82.900	%	
		LFB Duplicate RPD	13.510	%	0-50
	Benzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.050	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.041	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.100	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	102.300	%	
	Carbon Tetrachloride	LFB Duplicate RPD	0.391	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.552	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.476	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.800	%	70-130
		Lab Fort Blank Range	3.800	units	
	Chloroform	Lab Fort Bl. Av. Rec	125.700	%	
		LFB Duplicate RPD	3.023	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.264	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.170	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.500	%	70-130
	1,2-Dichloroethane	Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	110.850	%	
		LFB Duplicate RPD	4.239	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.348	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.214	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.700	%	70-130
		Lab Fort Blank Range	6.699	units	
		Lab Fort Bl. Av. Rec	114.050	%	
		LFB Duplicate RPD	5.874	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 68 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	1,4-Dichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.132	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.092	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	105.600	%	
		LFB Duplicate RPD	1.893	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.132	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.088	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.400	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	105.500	%	
		LFB Duplicate RPD	2.085	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.798	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.900	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.838	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.900	%	70-160
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	90.900	%	
		LFB Duplicate RPD	2.200	%	0-50
	MIBK	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.554	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.700	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.578	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	128.900	%	70-160
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	128.300	%	
		LFB Duplicate RPD	0.935	%	0-25
	Naphthalene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.982	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.100	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.062	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.100	%	40-130
		Lab Fort Blank Range	3.999	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 69 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Naphthalene	Lab Fort Bl. Av. Rec	101.100	%	
		LFB Duplicate RPD	3.956	%	0-25
	Styrene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.168	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.122	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.100	%	70-130
		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	107.250	%	
		LFB Duplicate RPD	2.144	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
	Tetrachloroethylene	Lab Fort Blk. Found	2.568	mg/kg dry wt	
		Lab Fort Blk. % Rec.	128.400	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.476	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.800	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	126.100	%	
		LFB Duplicate RPD	3.647	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
	Toluene	Lab Fort Blk. Found	2.124	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.078	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.900	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	105.050	%	
		LFB Duplicate RPD	2.189	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.528	mg/kg dry wt	
		Lab Fort Blk. % Rec.	126.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.386	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.300	%	70-130
		Lab Fort Blank Range	7.100	units	
		Lab Fort Bl. Av. Rec	122.850	%	
		LFB Duplicate RPD	5.779	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.174	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.700	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.122	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 70 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Trichloroethylene	Dup Lab Fort Bl %Rec	106.100	%	70-130
		Lab Fort Blank Range	2.600	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	2.420	%	0-25
	Trichlorofluoromethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.408	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.382	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.100	%	70-130
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	119.750	%	
		LFB Duplicate RPD	1.085	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.138	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.900	%	70-130
	o-Xylene	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.138	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.900	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	106.900	%	
		LFB Duplicate RPD	0.000	%	0-25
		Lab Fort Blank Amt.	4.000	mg/kg dry wt	
		Lab Fort Blk. Found	4.374	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.350	%	70-130
		Dup Lab Fort Bl Amt.	4.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.330	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.250	%	70-130
	m + p Xylene	Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	108.800	%	
		LFB Duplicate RPD	1.011	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.210	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	2.099	units	
		Lab Fort Bl. Av. Rec	109.450	%	
		LFB Duplicate RPD	1.918	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.176	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.176	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 71 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095					
1,3-Dichlorobenzene		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.096	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.800	%	70-130
		Lab Fort Blank Range	3.999	units	
		Lab Fort Bl. Av. Rec	106.800	%	
		LFB Duplicate RPD	3.745	%	0-25
1,1-Dichloroethane		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.172	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.132	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.600	%	70-130
		Lab Fort Blank Range	1.999	units	
		Lab Fort Bl. Av. Rec	107.600	%	
		LFB Duplicate RPD	1.858	%	0-25
1,1-Dichloroethylene		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.338	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.900	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.214	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.700	%	70-130
		Lab Fort Blank Range	6.200	units	
		Lab Fort Bl. Av. Rec	113.800	%	
		LFB Duplicate RPD	5.448	%	0-25
1,4-Dioxane		Lab Fort Blank Amt.	10.000	mg/kg dry wt	
		Lab Fort Blk. Found	12.982	mg/kg dry wt	
		Lab Fort Blk. % Rec.	129.820	%	40-160
		Dup Lab Fort Bl Amt.	10.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	10.094	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.940	%	40-160
		Lab Fort Blank Range	28.880	units	
		Lab Fort Bl. Av. Rec	115.380	%	
		LFB Duplicate RPD	25.030	%	0-50
MTBE		Lab Fort Blank Amt.	4.000	mg/kg dry wt	
		Lab Fort Blk. Found	4.422	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.550	%	70-130
		Dup Lab Fort Bl Amt.	4.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	4.422	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.550	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	110.550	%	
		LFB Duplicate RPD	0.000	%	0-25
trans-1,2-Dichloroethylene		Lab Fort Blank Amt.	2.000	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 72 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	trans-1,2-Dichloroethylene	Lab Fort Blk. Found	2.184	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.154	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.700	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	108.450	%	
		LFB Duplicate RPD	1.383	%	0-25
	Vinyl Chloride	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.142	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.100	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.154	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.700	%	40-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	0.558	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.852	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.600	%	40-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.772	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.600	%	40-160
		Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	90.600	%	
		LFB Duplicate RPD	4.415	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.090	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.080	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.000	%	70-130
		Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	104.250	%	
		LFB Duplicate RPD	0.479	%	0-25
	Chloromethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.944	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.200	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.942	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.100	%	40-130
		Lab Fort Blank Range	0.100	units	
		Lab Fort Bl. Av. Rec	97.150	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 73 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Chloromethane	LFB Duplicate RPD	0.102	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
	Bromomethane	Lab Fort Blk. Found	2.366	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.300	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.484	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	124.200	%	40-130
		Lab Fort Blank Range	5.899	units	
		Lab Fort Bl. Av. Rec	121.250	%	
		LFB Duplicate RPD	4.865	%	0-50
	Chloroethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.168	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.400	%	40-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.250	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.500	%	40-160
		Lab Fort Blank Range	4.099	units	
		Lab Fort Bl. Av. Rec	110.450	%	
	cis-1,3-Dichloropropene	LFB Duplicate RPD	3.712	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.430	mg/kg dry wt	
		Lab Fort Blk. % Rec.	121.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.342	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	117.100	%	70-130
		Lab Fort Blank Range	4.400	units	
		Lab Fort Bl. Av. Rec	119.300	%	
		LFB Duplicate RPD	3.688	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.776	mg/kg dry wt	
		Lab Fort Blk. % Rec.	138.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.636	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	131.800	%	70-130
		Lab Fort Blank Range	7.000	units	
		Lab Fort Bl. Av. Rec	135.300	%	
	Chlorodibromomethane	LFB Duplicate RPD	5.173	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.548	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.446	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	122.300	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 74 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Chlorodibromomethane	Lab Fort Blank Range	5.099	units	
		Lab Fort Bl. Av. Rec	124.850	%	
		LFB Duplicate RPD	4.084	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.190	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	108.950	%	
		LFB Duplicate RPD	1.009	%	0-25
	Bromoform	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.346	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.320	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.000	%	70-130
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	116.650	%	
		LFB Duplicate RPD	1.114	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.200	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.000	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.246	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.300	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	111.150	%	
		LFB Duplicate RPD	2.069	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.192	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.170	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.500	%	70-130
		Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	109.050	%	
		LFB Duplicate RPD	1.008	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.288	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 75 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Hexachlorobutadiene	Dup Lab Fort Bl. Fnd	2.244	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.200	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	113.300	%	
		LFB Duplicate RPD	1.941	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.366	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.358	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	117.900	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	118.100	%	
		LFB Duplicate RPD	0.338	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
	p-Isopropyltoluene	Lab Fort Blk. Found	2.208	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.114	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	108.050	%	
		LFB Duplicate RPD	4.349	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.198	mg/kg dry wt	
	n-Propylbenzene	Lab Fort Blk. % Rec.	109.900	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.148	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.400	%	70-130
		Lab Fort Blank Range	2.499	units	
		Lab Fort Bl. Av. Rec	108.650	%	
		LFB Duplicate RPD	2.300	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.188	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.400	%	70-130
	sec-Butylbenzene	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.102	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.100	%	70-130
		Lab Fort Blank Range	4.300	units	
		Lab Fort Bl. Av. Rec	107.250	%	
		LFB Duplicate RPD	4.009	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.506	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 76 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	tert-Butylbenzene	Lab Fort Blk. % Rec.	125.300	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.388	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.400	%	70-160
		Lab Fort Blank Range	5.899	units	
		Lab Fort Bl. Av. Rec	122.350	%	
		LFB Duplicate RPD	4.822	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.032	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.074	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.700	%	70-130
		Lab Fort Blank Range	2.100	units	
	1,2,4-Trichlorobenzene	Lab Fort Bl. Av. Rec	102.650	%	
		LFB Duplicate RPD	2.045	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.200	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.976	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Dup Lab Fort Bl %Rec	98.800	%	40-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	100.000	%	
		LFB Duplicate RPD	2.400	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.284	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.200	%	70-130
	1,3,5-Trimethylbenzene	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.186	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.300	%	70-130
		Lab Fort Blank Range	4.899	units	
		Lab Fort Bl. Av. Rec	111.750	%	
		LFB Duplicate RPD	4.384	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.244	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.198	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.900	%	70-130
		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	111.050	%	
		LFB Duplicate RPD	2.071	%	0-25

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 77 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	4-Chlorotoluene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.224	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.200	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.000	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	110.600	%	
	Dibromomethane	LFB Duplicate RPD	1.084	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.242	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.186	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.300	%	70-130
		Lab Fort Blank Range	2.800	units	
	cis-1,2-Dichloroethylene	Lab Fort Bl. Av. Rec	110.700	%	
		LFB Duplicate RPD	2.529	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.172	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.124	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.200	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Range	2.399	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	2.234	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.142	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.092	mg/kg dry wt	
	1,2-Dichloropropane	Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	105.850	%	
		LFB Duplicate RPD	2.361	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.110	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.088	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.400	%	70-130
		Lab Fort Blank Range	1.100	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 78 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	1,2-Dichloropropane	Lab Fort Bl. Av. Rec	104.950	%	
		LFB Duplicate RPD	1.048	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.214	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.700	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.146	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.300	%	70-130
		Lab Fort Blank Range	3.400	units	
		Lab Fort Bl. Av. Rec	109.000	%	
		LFB Duplicate RPD	3.119	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.612	mg/kg dry wt	
		Lab Fort Blk. % Rec.	130.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.506	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	125.300	%	70-130
		Lab Fort Blank Range	5.299	units	
		Lab Fort Bl. Av. Rec	127.950	%	
		LFB Duplicate RPD	4.142	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.542	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.496	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	124.800	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	125.950	%	
		LFB Duplicate RPD	1.826	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.126	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.208	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.400	%	70-130
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	108.350	%	
		LFB Duplicate RPD	3.784	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.262	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg dry wt	

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 79 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	n-Butylbenzene	Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	4.699	units	
		Lab Fort Bl. Av. Rec	110.750	%	
		LFB Duplicate RPD	4.243	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.506	mg/kg dry wt	
		Lab Fort Blk. % Rec.	125.300	%	40-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.494	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	124.700	%	40-160
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	125.000	%	
		LFB Duplicate RPD	0.479	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.074	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.700	%	70-130
	Bromochloromethane	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.062	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.100	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	103.400	%	
		LFB Duplicate RPD	0.580	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.208	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.152	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.600	%	70-130
	Bromobenzene	Lab Fort Blank Range	2.800	units	
		Lab Fort Bl. Av. Rec	109.000	%	
		LFB Duplicate RPD	2.568	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.164	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.072	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.600	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	105.900	%	
		LFB Duplicate RPD	4.343	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.162	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.100	%	70-160
	2-Hexanone	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.162	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.100	%	70-160



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 80 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	2-Hexanone	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.070	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.500	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	105.800	%	
		LFB Duplicate RPD	4.347	%	0-50
	Diethyl Ether	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.068	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.998	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.900	%	70-130
	Bromodichloromethane	Lab Fort Blank Range	3.500	units	
		Lab Fort Bl. Av. Rec	101.650	%	
		LFB Duplicate RPD	3.443	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.416	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.800	%	70-130
	1,2-Dibromo-3-Chloropropane	Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.308	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	115.400	%	70-130
		Lab Fort Blank Range	5.399	units	
		Lab Fort Bl. Av. Rec	118.100	%	
		LFB Duplicate RPD	4.572	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.808	mg/kg dry wt	
		Lab Fort Blk. % Rec.	140.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.730	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	136.500	%	70-130
	Tetrahydrofuran	Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	138.450	%	
		LFB Duplicate RPD	2.816	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.248	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.400	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 81 of 126

QC Batch Number: GCMS/VOL-19353

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78095	Tetrahydrofuran	Lab Fort Blk. Found	1.706	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.692	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.600	%	70-130
		Lab Fort Blank Range	0.700	units	
		Lab Fort Bl. Av. Rec	84.950	%	
		LFB Duplicate RPD	0.824	%	0-25
	Diisopropyl Ether	Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	1.876	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.880	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.000	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	93.900	%	
	tert-Butylethyl Ether	LFB Duplicate RPD	0.212	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.268	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.252	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.600	%	70-130
		Lab Fort Blank Range	0.800	units	
	tert-Amylmethyl Ether	Lab Fort Bl. Av. Rec	113.000	%	
		LFB Duplicate RPD	0.707	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg dry wt	
		Lab Fort Blk. Found	2.290	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.266	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.300	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	113.900	%	
		LFB Duplicate RPD	1.053	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 82 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13890	1,2-Dichloroethane-d4	Surrogate Recovery	81.480	%	70-130
	Toluene-d8	Surrogate Recovery	95.760	%	70-130
	Bromofluorobenzene	Surrogate Recovery	89.120	%	70-130
BLANK-116524	Acetone	Blank	<10.	mg/kg	
	Benzene	Blank	<0.20	mg/kg	
	Carbon Tetrachloride	Blank	<0.20	mg/kg	
	Chloroform	Blank	<0.40	mg/kg	
	1,2-Dichloroethane	Blank	<0.20	mg/kg	
	1,4-Dichlorobenzene	Blank	<0.20	mg/kg	
	Ethyl Benzene	Blank	<0.20	mg/kg	
	2-Butanone (MEK)	Blank	<4.0	mg/kg	
	MIBK	Blank	<2.0	mg/kg	
	Naphthalene	Blank	<0.40	mg/kg	
	Styrene	Blank	<0.20	mg/kg	
	Tetrachloroethylene	Blank	<0.20	mg/kg	
	Toluene	Blank	<0.20	mg/kg	
	1,1,1-Trichloroethane	Blank	<0.20	mg/kg	
	Trichloroethylene	Blank	<0.20	mg/kg	
	Trichlorofluoromethane	Blank	<1.0	mg/kg	
	o-Xylene	Blank	<0.20	mg/kg	
	m + p Xylene	Blank	<0.40	mg/kg	
	1,2-Dichlorobenzene	Blank	<0.20	mg/kg	
	1,3-Dichlorobenzene	Blank	<0.20	mg/kg	
	1,1-Dichloroethane	Blank	<0.20	mg/kg	
	1,1-Dichloroethylene	Blank	<0.40	mg/kg	
	1,4-Dioxane	Blank	<10.	mg/kg	
	MTBE	Blank	<0.40	mg/kg	
	trans-1,2-Dichloroethylene	Blank	<0.20	mg/kg	
	Vinyl Chloride	Blank	<1.0	mg/kg	
	Methylene Chloride	Blank	<2.0	mg/kg	
	Chlorobenzene	Blank	<0.20	mg/kg	
	Chloromethane	Blank	<1.0	mg/kg	
	Bromomethane	Blank	<1.0	mg/kg	
	Chloroethane	Blank	<2.0	mg/kg	
	cis-1,3-Dichloropropene	Blank	<0.10	mg/kg	
	trans-1,3-Dichloropropene	Blank	<0.10	mg/kg	
	Chlorodibromomethane	Blank	<0.10	mg/kg	
	1,1,2-Trichloroethane	Blank	<0.20	mg/kg	
	Bromoform	Blank	<0.40	mg/kg	
	1,1,2,2-Tetrachloroethane	Blank	<0.10	mg/kg	
	2-Chlorotoluene	Blank	<0.20	mg/kg	
	Hexachlorobutadiene	Blank	<0.20	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 83 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116524	Isopropylbenzene	Blank	<0.20	mg/kg	
	p-Isopropyltoluene	Blank	<0.20	mg/kg	
	n-Propylbenzene	Blank	<0.20	mg/kg	
	sec-Butylbenzene	Blank	<0.20	mg/kg	
	tert-Butylbenzene	Blank	<0.20	mg/kg	
	1,2,3-Trichlorobenzene	Blank	<0.20	mg/kg	
	1,2,4-Trichlorobenzene	Blank	<0.20	mg/kg	
	1,2,4-Trimethylbenzene	Blank	<0.20	mg/kg	
	1,3,5-Trimethylbenzene	Blank	<0.20	mg/kg	
	Dibromomethane	Blank	<0.20	mg/kg	
	cis-1,2-Dichloroethylene	Blank	<0.20	mg/kg	
	4-Chlorotoluene	Blank	<0.20	mg/kg	
	1,1-Dichloropropene	Blank	<0.20	mg/kg	
	1,2-Dichloropropane	Blank	<0.20	mg/kg	
	1,3-Dichloropropane	Blank	<0.10	mg/kg	
	2,2-Dichloropropane	Blank	<0.20	mg/kg	
	1,1,1,2-Tetrachloroethane	Blank	<0.20	mg/kg	
	1,2,3-Trichloropropane	Blank	<0.20	mg/kg	
	n-Butylbenzene	Blank	<0.20	mg/kg	
	Dichlorodifluoromethane	Blank	<2.0	mg/kg	
	Bromochloromethane	Blank	<0.20	mg/kg	
	Bromobenzene	Blank	<0.20	mg/kg	
	Carbon Disulfide	Blank	<0.60	mg/kg	
	2-Hexanone	Blank	<2.0	mg/kg	
	Diethyl Ether	Blank	<2.0	mg/kg	
	Bromodichloromethane	Blank	<0.20	mg/kg	
	1,2-Dibromo-3-Chloropropane	Blank	<0.20	mg/kg	
	1,2-Dibromoethane	Blank	<0.10	mg/kg	
	Tetrahydrofuran	Blank	<1.0	mg/kg	
	Diisopropyl Ether	Blank	<2.0	mg/kg	
	tert-Butylethyl Ether	Blank	<0.10	mg/kg	
	tert-Amylmethyl Ether	Blank	<0.10	mg/kg	
LFBLANK-78097	Acetone	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.546	mg/kg	
		Lab Fort Blk. % Rec.	77.300	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.770	mg/kg	
		Dup Lab Fort Bl %Rec	88.500	%	70-160
		Lab Fort Blank Range	11.200	units	
		Lab Fort Bl. Av. Rec	82.900	%	
		LFB Duplicate RPD	13.510	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg	
LFBLANK-78097	Benzene	Lab Fort Blank Amt.	2.000	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 84 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Benzene	Lab Fort Blk. Found	2.050	mg/kg	
		Lab Fort Blk. % Rec.	102.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.041	mg/kg	
		Dup Lab Fort Bl %Rec	102.100	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	102.300	%	
		LFB Duplicate RPD	0.391	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.552	mg/kg	
		Lab Fort Blk. % Rec.	127.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.476	mg/kg	
		Dup Lab Fort Bl %Rec	123.800	%	70-130
		Lab Fort Blank Range	3.800	units	
		Lab Fort Bl. Av. Rec	125.700	%	
		LFB Duplicate RPD	3.023	%	0-25
	Chloroform	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.264	mg/kg	
		Lab Fort Blk. % Rec.	113.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.170	mg/kg	
		Dup Lab Fort Bl %Rec	108.500	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	110.850	%	
		LFB Duplicate RPD	4.239	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.348	mg/kg	
		Lab Fort Blk. % Rec.	117.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.214	mg/kg	
		Dup Lab Fort Bl %Rec	110.700	%	70-130
		Lab Fort Blank Range	6.699	units	
		Lab Fort Bl. Av. Rec	114.050	%	
		LFB Duplicate RPD	5.874	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.132	mg/kg	
		Lab Fort Blk. % Rec.	106.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.092	mg/kg	
		Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	105.600	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 85 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	1,4-Dichlorobenzene Ethyl Benzene	LFB Duplicate RPD	1.893	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.132	mg/kg	
		Lab Fort Blk. % Rec.	106.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.088	mg/kg	
		Dup Lab Fort Bl %Rec	104.400	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	105.500	%	
		LFB Duplicate RPD	2.085	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.798	mg/kg	
	2-Butanone (MEK)	Lab Fort Blk. % Rec.	89.900	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.838	mg/kg	
		Dup Lab Fort Bl %Rec	91.900	%	70-160
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	90.900	%	
		LFB Duplicate RPD	2.200	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.554	mg/kg	
		Lab Fort Blk. % Rec.	127.700	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.578	mg/kg	
	MIBK	Dup Lab Fort Bl %Rec	128.900	%	70-160
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	128.300	%	
		LFB Duplicate RPD	0.935	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.982	mg/kg	
		Lab Fort Blk. % Rec.	99.100	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.062	mg/kg	
		Dup Lab Fort Bl %Rec	103.100	%	40-130
		Lab Fort Blank Range	3.999	units	
		Lab Fort Bl. Av. Rec	101.100	%	
	Naphthalene	LFB Duplicate RPD	3.956	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.168	mg/kg	
		Lab Fort Blk. % Rec.	108.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.122	mg/kg	
		Dup Lab Fort Bl %Rec	106.100	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 86 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097					
Styrene		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	107.250	%	
		LFB Duplicate RPD	2.144	%	0-25
Tetrachloroethylene		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.568	mg/kg	
		Lab Fort Blk. % Rec.	128.400	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.476	mg/kg	
		Dup Lab Fort Bl %Rec	123.800	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	126.100	%	
Toluene		LFB Duplicate RPD	3.647	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.124	mg/kg	
		Lab Fort Blk. % Rec.	106.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.078	mg/kg	
		Dup Lab Fort Bl %Rec	103.900	%	70-130
		Lab Fort Blank Range	2.299	units	
1,1,1-Trichloroethane		Lab Fort Bl. Av. Rec	105.050	%	
		LFB Duplicate RPD	2.189	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.528	mg/kg	
		Lab Fort Blk. % Rec.	126.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.386	mg/kg	
		Dup Lab Fort Bl %Rec	119.300	%	70-130
Trichloroethylene		Lab Fort Blank Range	7.100	units	
		Lab Fort Bl. Av. Rec	122.850	%	
		LFB Duplicate RPD	5.779	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.174	mg/kg	
		Lab Fort Blk. % Rec.	108.700	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.122	mg/kg	
Trichlorofluoromethane		Dup Lab Fort Bl %Rec	106.100	%	70-130
		Lab Fort Blank Range	2.600	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	2.420	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.408	mg/kg	
		Lab Fort Blk. % Rec.	120.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 87 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Trichlorofluoromethane	Dup Lab Fort Bl. Fnd	2.382	mg/kg	
		Dup Lab Fort Bl %Rec	119.100	%	70-130
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	119.750	%	
		LFB Duplicate RPD	1.085	%	0-25
	o-Xylene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.138	mg/kg	
		Lab Fort Blk. % Rec.	106.900	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.138	mg/kg	
	m + p Xylene	Dup Lab Fort Bl %Rec	106.900	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	106.900	%	
		LFB Duplicate RPD	0.000	%	0-25
		Lab Fort Blank Amt.	4.000	mg/kg	
		Lab Fort Blk. Found	4.374	mg/kg	
		Lab Fort Blk. % Rec.	109.350	%	70-130
		Dup Lab Fort Bl Amt.	4.000	mg/kg	
		Dup Lab Fort Bl. Fnd	4.330	mg/kg	
		Dup Lab Fort Bl %Rec	108.250	%	70-130
	1,2-Dichlorobenzene	Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	108.800	%	
		LFB Duplicate RPD	1.011	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.210	mg/kg	
		Lab Fort Blk. % Rec.	110.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	2.099	units	
		Lab Fort Bl. Av. Rec	109.450	%	
		LFB Duplicate RPD	1.918	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.176	mg/kg	
		Lab Fort Blk. % Rec.	108.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.096	mg/kg	
		Dup Lab Fort Bl %Rec	104.800	%	70-130
		Lab Fort Blank Range	3.999	units	
		Lab Fort Bl. Av. Rec	106.800	%	
		LFB Duplicate RPD	3.745	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.172	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 88 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	1,1-Dichloroethane	Lab Fort Blk. % Rec.	108.600	%	70-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.132	mg/kg	
		Dup Lab Fort BI %Rec	106.600	%	70-130
		Lab Fort Blank Range	1.999	units	
		Lab Fort BI. Av. Rec	107.600	%	
		LFB Duplicate RPD	1.858	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.338	mg/kg	
		Lab Fort Blk. % Rec.	116.900	%	70-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.214	mg/kg	
		Dup Lab Fort BI %Rec	110.700	%	70-130
		Lab Fort Blank Range	6.200	units	
	1,4-Dioxane	Lab Fort BI. Av. Rec	113.800	%	
		LFB Duplicate RPD	5.448	%	0-25
		Lab Fort Blank Amt.	10.000	mg/kg	
		Lab Fort Blk. Found	12.982	mg/kg	
		Lab Fort Blk. % Rec.	129.820	%	40-160
		Dup Lab Fort BI Amt.	10.000	mg/kg	
		Dup Lab Fort BI. Fnd	10.094	mg/kg	
	MTBE	Dup Lab Fort BI %Rec	100.940	%	40-160
		Lab Fort Blank Range	28.880	units	
		Lab Fort BI. Av. Rec	115.380	%	
		LFB Duplicate RPD	25.030	%	0-50
		Lab Fort Blank Amt.	4.000	mg/kg	
		Lab Fort Blk. Found	4.422	mg/kg	
		Lab Fort Blk. % Rec.	110.550	%	70-130
	trans-1,2-Dichloroethylene	Dup Lab Fort BI Amt.	4.000	mg/kg	
		Dup Lab Fort BI. Fnd	4.422	mg/kg	
		Dup Lab Fort BI %Rec	110.550	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort BI. Av. Rec	110.550	%	
		LFB Duplicate RPD	0.000	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.184	mg/kg	
		Lab Fort Blk. % Rec.	109.200	%	70-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.154	mg/kg	
		Dup Lab Fort BI %Rec	107.700	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort BI. Av. Rec	108.450	%	
		LFB Duplicate RPD	1.383	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 89 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Vinyl Chloride	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.142	mg/kg	
		Lab Fort Blk. % Rec.	107.100	%	40-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.154	mg/kg	
		Dup Lab Fort BI %Rec	107.700	%	40-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	107.400	%	
	Methylene Chloride	LFB Duplicate RPD	0.558	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.852	mg/kg	
		Lab Fort Blk. % Rec.	92.600	%	40-160
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	1.772	mg/kg	
		Dup Lab Fort BI %Rec	88.600	%	40-160
		Lab Fort Blank Range	4.000	units	
	Chlorobenzene	Lab Fort Bl. Av. Rec	90.600	%	
		LFB Duplicate RPD	4.415	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.090	mg/kg	
		Lab Fort Blk. % Rec.	104.500	%	70-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.080	mg/kg	
		Dup Lab Fort BI %Rec	104.000	%	70-130
	Chloromethane	Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	104.250	%	
		LFB Duplicate RPD	0.479	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.944	mg/kg	
		Lab Fort Blk. % Rec.	97.200	%	40-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	1.942	mg/kg	
	Bromomethane	Dup Lab Fort BI %Rec	97.100	%	40-130
		Lab Fort Blank Range	0.100	units	
		Lab Fort Bl. Av. Rec	97.150	%	
		LFB Duplicate RPD	0.102	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.366	mg/kg	
		Lab Fort Blk. % Rec.	118.300	%	40-130
		Dup Lab Fort BI Amt.	2.000	mg/kg	
		Dup Lab Fort BI. Fnd	2.484	mg/kg	
		Dup Lab Fort BI %Rec	124.200	%	40-130
		Lab Fort Blank Range	5.899	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 90 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Bromomethane	Lab Fort Bl. Av. Rec	121.250	%	
		LFB Duplicate RPD	4.865	%	0-50
	Chloroethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.168	mg/kg	
		Lab Fort Blk. % Rec.	108.400	%	40-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.250	mg/kg	
		Dup Lab Fort Bl %Rec	112.500	%	40-160
		Lab Fort Blank Range	4.099	units	
		Lab Fort Bl. Av. Rec	110.450	%	
	cis-1,3-Dichloropropene	LFB Duplicate RPD	3.712	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.430	mg/kg	
		Lab Fort Blk. % Rec.	121.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.342	mg/kg	
		Dup Lab Fort Bl %Rec	117.100	%	70-130
		Lab Fort Blank Range	4.400	units	
	trans-1,3-Dichloropropene	Lab Fort Bl. Av. Rec	119.300	%	
		LFB Duplicate RPD	3.688	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.776	mg/kg	
		Lab Fort Blk. % Rec.	138.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.636	mg/kg	
		Dup Lab Fort Bl %Rec	131.800	%	70-130
	Chlorodibromomethane	Lab Fort Blank Range	7.000	units	
		Lab Fort Bl. Av. Rec	135.300	%	
		LFB Duplicate RPD	5.173	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.548	mg/kg	
		Lab Fort Blk. % Rec.	127.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.446	mg/kg	
	1,1,2-Trichloroethane	Dup Lab Fort Bl %Rec	122.300	%	70-130
		Lab Fort Blank Range	5.099	units	
		Lab Fort Bl. Av. Rec	124.850	%	
		LFB Duplicate RPD	4.084	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.190	mg/kg	
		Lab Fort Blk. % Rec.	109.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 91 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	1,1,2-Trichloroethane	Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	108.950	%	
		LFB Duplicate RPD	1.009	%	0-25
	Bromoform	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.346	mg/kg	
		Lab Fort Blk. % Rec.	117.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.320	mg/kg	
		Dup Lab Fort Bl %Rec	116.000	%	70-130
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	116.650	%	
	1,1,2,2-Tetrachloroethane	LFB Duplicate RPD	1.114	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.200	mg/kg	
		Lab Fort Blk. % Rec.	110.000	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.246	mg/kg	
		Dup Lab Fort Bl %Rec	112.300	%	70-130
		Lab Fort Blank Range	2.299	units	
	2-Chlorotoluene	Lab Fort Bl. Av. Rec	111.150	%	
		LFB Duplicate RPD	2.069	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.192	mg/kg	
		Lab Fort Blk. % Rec.	109.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.170	mg/kg	
		Dup Lab Fort Bl %Rec	108.500	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	109.050	%	
		LFB Duplicate RPD	1.008	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.288	mg/kg	
		Lab Fort Blk. % Rec.	114.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.244	mg/kg	
	Isopropylbenzene	Dup Lab Fort Bl %Rec	112.200	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	113.300	%	
		LFB Duplicate RPD	1.941	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.366	mg/kg	
		Lab Fort Blk. % Rec.	118.300	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 92 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Isopropylbenzene	Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.358	mg/kg	
		Dup Lab Fort Bl %Rec	117.900	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	118.100	%	
		LFB Duplicate RPD	0.338	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.208	mg/kg	
		Lab Fort Blk. % Rec.	110.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.114	mg/kg	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
	n-Propylbenzene	Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	108.050	%	
		LFB Duplicate RPD	4.349	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.198	mg/kg	
		Lab Fort Blk. % Rec.	109.900	%	70-130
	sec-Butylbenzene	Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.148	mg/kg	
		Dup Lab Fort Bl %Rec	107.400	%	70-130
		Lab Fort Blank Range	2.499	units	
		Lab Fort Bl. Av. Rec	108.650	%	
		LFB Duplicate RPD	2.300	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.188	mg/kg	
		Lab Fort Blk. % Rec.	109.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.102	mg/kg	
		Dup Lab Fort Bl %Rec	105.100	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Range	4.300	units	
		Lab Fort Bl. Av. Rec	107.250	%	
		LFB Duplicate RPD	4.009	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.506	mg/kg	
		Lab Fort Blk. % Rec.	125.300	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.388	mg/kg	
		Dup Lab Fort Bl %Rec	119.400	%	70-160
		Lab Fort Blank Range	5.899	units	
		Lab Fort Bl. Av. Rec	122.350	%	
		LFB Duplicate RPD	4.822	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 93 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	1,2,3-Trichlorobenzene	Lab Fort Blk. Found	2.032	mg/kg	
		Lab Fort Blk. % Rec.	101.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.074	mg/kg	
		Dup Lab Fort Bl %Rec	103.700	%	70-130
		Lab Fort Blank Range	2.100	units	
		Lab Fort Bl. Av. Rec	102.650	%	
		LFB Duplicate RPD	2.045	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.024	mg/kg	
		Lab Fort Blk. % Rec.	101.200	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.976	mg/kg	
		Dup Lab Fort Bl %Rec	98.800	%	40-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	100.000	%	
	1,2,4-Trimethylbenzene	LFB Duplicate RPD	2.400	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.284	mg/kg	
		Lab Fort Blk. % Rec.	114.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.186	mg/kg	
		Dup Lab Fort Bl %Rec	109.300	%	70-130
		Lab Fort Blank Range	4.899	units	
	1,3,5-Trimethylbenzene	Lab Fort Bl. Av. Rec	111.750	%	
		LFB Duplicate RPD	4.384	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.244	mg/kg	
		Lab Fort Blk. % Rec.	112.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.198	mg/kg	
		Dup Lab Fort Bl %Rec	109.900	%	70-130
	Dibromomethane	Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	111.050	%	
		LFB Duplicate RPD	2.071	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.242	mg/kg	
		Lab Fort Blk. % Rec.	112.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.186	mg/kg	
		Dup Lab Fort Bl %Rec	109.300	%	70-130
		Lab Fort Blank Range	2.800	units	
		Lab Fort Bl. Av. Rec	110.700	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 94 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Dibromomethane cis-1,2-Dichloroethylene	LFB Duplicate RPD	2.529	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.172	mg/kg	
		Lab Fort Blk. % Rec.	108.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.124	mg/kg	
		Dup Lab Fort Bl %Rec	106.200	%	70-130
		Lab Fort Blank Range	2.399	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	2.234	%	0-25
	4-Chlorotoluene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.224	mg/kg	
		Lab Fort Blk. % Rec.	111.200	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.200	mg/kg	
		Dup Lab Fort Bl %Rec	110.000	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	110.600	%	
		LFB Duplicate RPD	1.084	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
	1,1-Dichloropropene	Lab Fort Blk. Found	2.142	mg/kg	
		Lab Fort Blk. % Rec.	107.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.092	mg/kg	
		Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	105.850	%	
		LFB Duplicate RPD	2.361	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
	1,2-Dichloropropane	Lab Fort Blk. Found	2.110	mg/kg	
		Lab Fort Blk. % Rec.	105.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.088	mg/kg	
		Dup Lab Fort Bl %Rec	104.400	%	70-130
		Lab Fort Blank Range	1.100	units	
		Lab Fort Bl. Av. Rec	104.950	%	
		LFB Duplicate RPD	1.048	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
	1,3-Dichloropropane	Lab Fort Blk. Found	2.214	mg/kg	
		Lab Fort Blk. % Rec.	110.700	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.146	mg/kg	
		Dup Lab Fort Bl %Rec	107.300	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 95 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	1,3-Dichloropropane	Lab Fort Blank Range	3.400	units	
		Lab Fort Bl. Av. Rec	109.000	%	
		LFB Duplicate RPD	3.119	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.612	mg/kg	
		Lab Fort Blk. % Rec.	130.600	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.506	mg/kg	
		Dup Lab Fort Bl %Rec	125.300	%	70-130
		Lab Fort Blank Range	5.299	units	
		Lab Fort Bl. Av. Rec	127.950	%	
		LFB Duplicate RPD	4.142	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.542	mg/kg	
		Lab Fort Blk. % Rec.	127.100	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.496	mg/kg	
		Dup Lab Fort Bl %Rec	124.800	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	125.950	%	
		LFB Duplicate RPD	1.826	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.126	mg/kg	
		Lab Fort Blk. % Rec.	106.300	%	40-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.208	mg/kg	
		Dup Lab Fort Bl %Rec	110.400	%	40-130
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	108.350	%	
		LFB Duplicate RPD	3.784	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.262	mg/kg	
		Lab Fort Blk. % Rec.	113.100	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.168	mg/kg	
		Dup Lab Fort Bl %Rec	108.400	%	70-160
		Lab Fort Blank Range	4.699	units	
		Lab Fort Bl. Av. Rec	110.750	%	
		LFB Duplicate RPD	4.243	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.506	mg/kg	
		Lab Fort Blk. % Rec.	125.300	%	40-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 96 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Dichlorodifluoromethane	Dup Lab Fort Bl. Fnd	2.494	mg/kg	
		Dup Lab Fort Bl %Rec	124.700	%	40-160
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	125.000	%	
		LFB Duplicate RPD	0.479	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.074	mg/kg	
		Lab Fort Blk. % Rec.	103.700	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.062	mg/kg	
		Dup Lab Fort Bl %Rec	103.100	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	103.400	%	
		LFB Duplicate RPD	0.580	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
	Bromobenzene	Lab Fort Blk. Found	2.208	mg/kg	
		Lab Fort Blk. % Rec.	110.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.152	mg/kg	
		Dup Lab Fort Bl %Rec	107.600	%	70-130
		Lab Fort Blank Range	2.800	units	
		Lab Fort Bl. Av. Rec	109.000	%	
		LFB Duplicate RPD	2.568	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.164	mg/kg	
	Carbon Disulfide	Lab Fort Blk. % Rec.	108.200	%	70-160
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.072	mg/kg	
		Dup Lab Fort Bl %Rec	103.600	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	105.900	%	
		LFB Duplicate RPD	4.343	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.162	mg/kg	
		Lab Fort Blk. % Rec.	108.100	%	70-160
	2-Hexanone	Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.070	mg/kg	
		Dup Lab Fort Bl %Rec	103.500	%	70-160
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	105.800	%	
		LFB Duplicate RPD	4.347	%	0-50
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.068	mg/kg	
	Diethyl Ether				

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 97 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Diethyl Ether	Lab Fort Blk. % Rec.	103.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.998	mg/kg	
		Dup Lab Fort Bl %Rec	99.900	%	70-130
		Lab Fort Blank Range	3.500	units	
		Lab Fort Bl. Av. Rec	101.650	%	
		LFB Duplicate RPD	3.443	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.416	mg/kg	
		Lab Fort Blk. % Rec.	120.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.308	mg/kg	
		Dup Lab Fort Bl %Rec	115.400	%	70-130
		Lab Fort Blank Range	5.399	units	
	1,2-Dibromo-3-Chloropropane	Lab Fort Bl. Av. Rec	118.100	%	
		LFB Duplicate RPD	4.572	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.808	mg/kg	
		Lab Fort Blk. % Rec.	140.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.730	mg/kg	
	1,2-Dibromoethane	Dup Lab Fort Bl %Rec	136.500	%	70-130
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	138.450	%	
		LFB Duplicate RPD	2.816	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.248	mg/kg	
		Lab Fort Blk. % Rec.	112.400	%	70-130
	Tetrahydrofuran	Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.244	mg/kg	
		Dup Lab Fort Bl %Rec	112.200	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	112.300	%	
		LFB Duplicate RPD	0.178	%	0-25
		Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.706	mg/kg	
		Lab Fort Blk. % Rec.	85.300	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.692	mg/kg	
		Dup Lab Fort Bl %Rec	84.600	%	70-130
		Lab Fort Blank Range	0.700	units	
		Lab Fort Bl. Av. Rec	84.950	%	
		LFB Duplicate RPD	0.824	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 98 of 126

QC Batch Number: GCMS/VOL-19354

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78097	Diisopropyl Ether	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	1.876	mg/kg	
		Lab Fort Blk. % Rec.	93.800	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	1.880	mg/kg	
		Dup Lab Fort Bl %Rec	94.000	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	93.900	%	
		LFB Duplicate RPD	0.212	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.268	mg/kg	
		Lab Fort Blk. % Rec.	113.400	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.252	mg/kg	
		Dup Lab Fort Bl %Rec	112.600	%	70-130
		Lab Fort Blank Range	0.800	units	
		Lab Fort Bl. Av. Rec	113.000	%	
		LFB Duplicate RPD	0.707	%	0-50
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	2.000	mg/kg	
		Lab Fort Blk. Found	2.290	mg/kg	
		Lab Fort Blk. % Rec.	114.500	%	70-130
		Dup Lab Fort Bl Amt.	2.000	mg/kg	
		Dup Lab Fort Bl. Fnd	2.266	mg/kg	
		Dup Lab Fort Bl %Rec	113.300	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	113.900	%	
		LFB Duplicate RPD	1.053	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 99 of 126

QC Batch Number: GCMSA/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13871	1,2-Dichloroethane-d4	Surrogate Recovery	106.6	%	70-130
	Toluene-d8	Surrogate Recovery	95.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	95.1	%	70-130
BLANK-116569	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<1.0	ug/l	
	Carbon Tetrachloride	Blank	<1.0	ug/l	
	Chloroform	Blank	<2.0	ug/l	
	1,2-Dichloroethane	Blank	<1.0	ug/l	
	1,4-Dichlorobenzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	2-Butanone (MEK)	Blank	<20.0	ug/l	
	MIBK	Blank	<10.0	ug/l	
	Naphthalene	Blank	<2.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<1.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<1.0	ug/l	
	Trichlorofluoromethane	Blank	<2.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m + p Xylene	Blank	<2.0	ug/l	
	1,2-Dichlorobenzene	Blank	<1.0	ug/l	
	1,3-Dichlorobenzene	Blank	<1.0	ug/l	
	1,1-Dichloroethane	Blank	<1.0	ug/l	
	1,1-Dichloroethylene	Blank	<1.0	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	
	MTBE	Blank	<1.0	ug/l	
	trans-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	Vinyl Chloride	Blank	<2.0	ug/l	
	Methylene Chloride	Blank	<5.0	ug/l	
	Chlorobenzene	Blank	<1.0	ug/l	
	Chloromethane	Blank	<2.0	ug/l	
	Bromomethane	Blank	<5.0	ug/l	
	Chloroethane	Blank	<2.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<1.0	ug/l	
	Bromoform	Blank	<1.0	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<1.0	ug/l	
	Hexachlorobutadiene	Blank	<1.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 100 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116569	Isopropylbenzene	Blank	<1.0	ug/l	
	p-Isopropyltoluene	Blank	<1.0	ug/l	
	n-Propylbenzene	Blank	<1.0	ug/l	
	sec-Butylbenzene	Blank	<1.0	ug/l	
	tert-Butylbenzene	Blank	<1.0	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<1.0	ug/l	
	1,2,4-Trimethylbenzene	Blank	<1.0	ug/l	
	1,3,5-Trimethylbenzene	Blank	<1.0	ug/l	
	Dibromomethane	Blank	<1.0	ug/l	
	cis-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	4-Chlorotoluene	Blank	<1.0	ug/l	
	1,1-Dichloropropene	Blank	<2.0	ug/l	
	1,2-Dichloropropane	Blank	<1.0	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<1.0	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<1.0	ug/l	
	1,2,3-Trichloropropane	Blank	<2.0	ug/l	
	n-Butylbenzene	Blank	<1.0	ug/l	
	Dichlorodifluoromethane	Blank	<2.0	ug/l	
	Bromochloromethane	Blank	<1.0	ug/l	
	Bromobenzene	Blank	<1.0	ug/l	
	Carbon Disulfide	Blank	<3.0	ug/l	
	2-Hexanone	Blank	<10.0	ug/l	
	Diethyl Ether	Blank	<2.0	ug/l	
	Bromodichloromethane	Blank	<1.0	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<5.0	ug/l	
	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
LFBLANK-78142	Acetone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.0	ug/l	
		Lab Fort Blk. % Rec.	130.9	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.2	ug/l	
		Dup Lab Fort Bl %Rec	112.5	%	70-160
		Lab Fort Blank Range	18.4	units	
		Lab Fort Bl. Av. Rec	121.7	%	
		LFB Duplicate RPD	15.1	%	0-25
	Benzene	Lab Fort Blank Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 101 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Benzene	Lab Fort Blk. Found	8.8	ug/l	
		Lab Fort Blk. % Rec.	88.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.5	ug/l	
		Dup Lab Fort Bl %Rec	85.3	%	70-130
		Lab Fort Blank Range	3.4	units	
		Lab Fort Bl. Av. Rec	87.0	%	
		LFB Duplicate RPD	3.9	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.1	ug/l	
		Dup Lab Fort Bl %Rec	101.0	%	70-130
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	103.0	%	
	Chloroform	LFB Duplicate RPD	3.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.6	ug/l	
		Dup Lab Fort Bl %Rec	86.3	%	70-130
		Lab Fort Blank Range	4.4	units	
	1,2-Dichloroethane	Lab Fort Bl. Av. Rec	88.5	%	
		LFB Duplicate RPD	4.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.7	ug/l	
		Lab Fort Blk. % Rec.	117.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.3	ug/l	
		Dup Lab Fort Bl %Rec	113.8	%	70-130
	1,4-Dichlorobenzene	Lab Fort Blank Range	4.1	units	
		Lab Fort Bl. Av. Rec	115.8	%	
		LFB Duplicate RPD	3.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.8	ug/l	
		Dup Lab Fort Bl %Rec	98.3	%	70-130
		Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	98.9	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 102 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	1,4-Dichlorobenzene	LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.9	%	70-130
	Ethyl Benzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.0	ug/l	
		Dup Lab Fort Bl %Rec	100.9	%	70-130
		Lab Fort Blank Range	4.0	units	
	2-Butanone (MEK)	Lab Fort Bl. Av. Rec	102.9	%	
		LFB Duplicate RPD	3.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
	MIBK	Lab Fort Blk. % Rec.	106.5	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.8	%	40-160
	Naphthalene	Lab Fort Blank Range	3.6	units	
		Lab Fort Bl. Av. Rec	104.6	%	
		LFB Duplicate RPD	3.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	Styrene	Lab Fort Blk. Found	15.1	ug/l	
		Lab Fort Blk. % Rec.	151.6	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	14.3	ug/l	
		Dup Lab Fort Bl %Rec	143.9	%	70-160
		Lab Fort Blank Range	7.7	units	
		Lab Fort Bl. Av. Rec	147.7	%	
		LFB Duplicate RPD	5.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.6	%	40-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.4	ug/l	
		Dup Lab Fort Bl %Rec	94.7	%	40-130
		Lab Fort Blank Range	8.1	units	
		Lab Fort Bl. Av. Rec	90.6	%	
		LFB Duplicate RPD	8.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.5	ug/l	
		Dup Lab Fort Bl %Rec	95.4	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 103 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142					
Styrene		Lab Fort Blank Range	3.3	units	
		Lab Fort Bl. Av. Rec	97.1	%	
		LFB Duplicate RPD	3.5	%	0-25
Tetrachloroethylene		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.7	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.5	ug/l	
		Dup Lab Fort Bl %Rec	105.8	%	70-160
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	107.2	%	
Toluene		LFB Duplicate RPD	2.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.7	ug/l	
		Dup Lab Fort Bl %Rec	97.6	%	70-130
		Lab Fort Blank Range	1.7	units	
1,1,1-Trichloroethane		Lab Fort Bl. Av. Rec	98.4	%	
		LFB Duplicate RPD	1.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.9	ug/l	
		Lab Fort Blk. % Rec.	109.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.3	ug/l	
		Dup Lab Fort Bl %Rec	103.6	%	70-130
Trichloroethylene		Lab Fort Blank Range	5.8	units	
		Lab Fort Bl. Av. Rec	106.5	%	
		LFB Duplicate RPD	5.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.8	ug/l	
Trichlorofluoromethane		Dup Lab Fort Bl %Rec	98.3	%	70-130
		Lab Fort Blank Range	6.8	units	
		Lab Fort Bl. Av. Rec	101.7	%	
		LFB Duplicate RPD	6.6	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 104 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Trichlorofluoromethane	Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.9	%	70-160
		Lab Fort Blank Range	9.7	units	
		Lab Fort Bl. Av. Rec	101.7	%	
		LFB Duplicate RPD	9.5	%	0-25
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.5	%	70-130
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	100.8	%	
		LFB Duplicate RPD	2.5	%	0-25
		Lab Fort Blank Amt.	20.0	ug/l	
	m + p Xylene	Lab Fort Blk. Found	21.7	ug/l	
		Lab Fort Blk. % Rec.	108.5	%	70-130
		Dup Lab Fort Bl Amt.	20.0	ug/l	
		Dup Lab Fort Bl. Fnd	21.0	ug/l	
		Dup Lab Fort Bl %Rec	105.0	%	70-130
		Lab Fort Blank Range	3.5	units	
		Lab Fort Bl. Av. Rec	106.7	%	
		LFB Duplicate RPD	3.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
	1,2-Dichlorobenzene	Lab Fort Blk. % Rec.	105.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.1	ug/l	
		Dup Lab Fort Bl %Rec	101.0	%	70-130
		Lab Fort Blank Range	4.2	units	
		Lab Fort Bl. Av. Rec	103.1	%	
		LFB Duplicate RPD	4.0	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.3	%	70-130
	1,3-Dichlorobenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.0	ug/l	
		Dup Lab Fort Bl %Rec	100.2	%	70-130
		Lab Fort Blank Range	2.1	units	
		Lab Fort Bl. Av. Rec	101.2	%	
		LFB Duplicate RPD	2.0	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 105 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	1,1-Dichloroethane	Lab Fort Blk. % Rec.	93.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.9	ug/l	
		Dup Lab Fort Bl %Rec	89.9	%	70-130
		Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	91.5	%	
	1,1-Dichloroethylene	LFB Duplicate RPD	3.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
	1,4-Dioxane	Dup Lab Fort Bl %Rec	96.0	%	70-130
		Lab Fort Blank Range	8.1	units	
		Lab Fort Bl. Av. Rec	100.0	%	
		LFB Duplicate RPD	8.0	%	0-25
		Lab Fort Blank Amt.	50.0	ug/l	
		Lab Fort Blk. Found	49.2	ug/l	
	MTBE	Lab Fort Blk. % Rec.	98.4	%	40-130
		Dup Lab Fort Bl Amt.	50.0	ug/l	
		Dup Lab Fort Bl. Fnd	45.1	ug/l	
		Dup Lab Fort Bl %Rec	90.2	%	40-130
		Lab Fort Blank Range	8.2	units	
		Lab Fort Bl. Av. Rec	94.3	%	
	trans-1,2-Dichloroethylene	LFB Duplicate RPD	8.7	%	0-50
		Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	20.9	ug/l	
		Lab Fort Blk. % Rec.	104.6	%	70-130
		Dup Lab Fort Bl Amt.	20.0	ug/l	
		Dup Lab Fort Bl. Fnd	20.0	ug/l	
		Dup Lab Fort Bl %Rec	100.2	%	70-130
		Lab Fort Blank Range	4.3	units	
		Lab Fort Bl. Av. Rec	102.4	%	
		LFB Duplicate RPD	4.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.0	ug/l	
		Dup Lab Fort Bl %Rec	90.2	%	70-130
		Lab Fort Blank Range	8.9	units	
		Lab Fort Bl. Av. Rec	94.6	%	
		LFB Duplicate RPD	9.4	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 106 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Vinyl Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.9	ug/l	
		Lab Fort Blk. % Rec.	79.3	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	7.4	ug/l	
		Dup Lab Fort Bl %Rec	74.5	%	40-160
		Lab Fort Blank Range	4.7	units	
		Lab Fort Bl. Av. Rec	76.9	%	
		LFB Duplicate RPD	6.2	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.9	ug/l	
		Dup Lab Fort Bl %Rec	89.3	%	70-130
		Lab Fort Blank Range	4.4	units	
		Lab Fort Bl. Av. Rec	91.5	%	
		LFB Duplicate RPD	4.9	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.0	ug/l	
		Dup Lab Fort Bl %Rec	100.0	%	70-130
		Lab Fort Blank Range	3.7	units	
		Lab Fort Bl. Av. Rec	101.9	%	
		LFB Duplicate RPD	3.7	%	0-25
	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.9	ug/l	
		Lab Fort Blk. % Rec.	69.2	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	6.6	ug/l	
		Dup Lab Fort Bl %Rec	66.5	%	40-160
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	67.8	%	
		LFB Duplicate RPD	3.9	%	0-25
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	27.6	ug/l	
		Lab Fort Blk. % Rec.	276.7	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	27.6	ug/l	
		Dup Lab Fort Bl %Rec	276.4	%	40-160
		Lab Fort Blank Range	0.3	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 107 of 126

QC Batch Number: GCMSVOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Bromomethane	Lab Fort Bl. Av. Rec	276.5	%	
		LFB Duplicate RPD	0.1	%	0-25
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.3	ug/l	
		Dup Lab Fort Bl %Rec	93.1	%	70-130
		Lab Fort Blank Range	12.7	units	
		Lab Fort Bl. Av. Rec	99.4	%	
		LFB Duplicate RPD	12.7	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
		Lab Fort Blk. % Rec.	112.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.0	ug/l	
		Dup Lab Fort Bl %Rec	110.5	%	70-130
		Lab Fort Blank Range	1.6	units	
		Lab Fort Bl. Av. Rec	111.3	%	
		LFB Duplicate RPD	1.4	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.3	ug/l	
		Lab Fort Blk. % Rec.	123.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	12.2	ug/l	
		Dup Lab Fort Bl %Rec	122.3	%	70-130
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	122.9	%	
		LFB Duplicate RPD	1.0	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.4	ug/l	
		Lab Fort Blk. % Rec.	114.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.9	ug/l	
		Dup Lab Fort Bl %Rec	109.8	%	70-130
		Lab Fort Blank Range	4.6	units	
		Lab Fort Bl. Av. Rec	112.1	%	
		LFB Duplicate RPD	4.1	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.8	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 108 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	1,1,2-Trichloroethane	Dup Lab Fort Bl %Rec	108.9	%	70-130
		Lab Fort Blank Range	1.9	units	
		Lab Fort Bl. Av. Rec	109.8	%	
		LFB Duplicate RPD	1.7	%	0-25
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.9	ug/l	
		Lab Fort Blk. % Rec.	129.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	12.6	ug/l	
		Dup Lab Fort Bl %Rec	126.9	%	70-130
		Lab Fort Blank Range	2.8	units	
		Lab Fort Bl. Av. Rec	128.3	%	
	1,1,2,2-Tetrachloroethane	LFB Duplicate RPD	2.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.4	ug/l	
		Dup Lab Fort Bl %Rec	104.6	%	70-130
		Lab Fort Blank Range	3.4	units	
	2-Chlorotoluene	Lab Fort Bl. Av. Rec	106.3	%	
		LFB Duplicate RPD	3.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.6	%	70-130
	Hexachlorobutadiene	Lab Fort Blank Range	4.6	units	
		Lab Fort Bl. Av. Rec	104.9	%	
		LFB Duplicate RPD	4.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.9	ug/l	
	Isopropylbenzene	Dup Lab Fort Bl %Rec	109.4	%	70-130
		Lab Fort Blank Range	2.1	units	
		Lab Fort Bl. Av. Rec	108.3	%	
		LFB Duplicate RPD	1.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LINT-15298

Page 109 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Isopropylbenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.0	ug/l	
		Dup Lab Fort Bl %Rec	100.0	%	70-130
		Lab Fort Blank Range	2.4	units	
		Lab Fort Bl. Av. Rec	101.2	%	
		LFB Duplicate RPD	2.4	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.4	ug/l	
		Dup Lab Fort Bl %Rec	84.6	%	70-130
	n-Propylbenzene	Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	86.1	%	
		LFB Duplicate RPD	3.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.3	%	70-130
	sec-Butylbenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.8	ug/l	
		Dup Lab Fort Bl %Rec	88.8	%	70-130
		Lab Fort Blank Range	4.5	units	
		Lab Fort Bl. Av. Rec	91.0	%	
		LFB Duplicate RPD	4.9	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.4	ug/l	
		Lab Fort Blk. % Rec.	84.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.1	ug/l	
		Dup Lab Fort Bl %Rec	81.2	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Range	3.3	units	
		Lab Fort Bl. Av. Rec	82.9	%	
		LFB Duplicate RPD	4.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.9	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 110 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	1,2,3-Trichlorobenzene	Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.1	%	70-130
		Lab Fort Blank Range	6.5	units	
		Lab Fort Bl. Av. Rec	98.8	%	
		LFB Duplicate RPD	6.6	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.2	ug/l	
		Dup Lab Fort Bl %Rec	92.2	%	70-130
		Lab Fort Blank Range	1.7	units	
		Lab Fort Bl. Av. Rec	91.3	%	
		LFB Duplicate RPD	1.8	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.1	ug/l	
		Dup Lab Fort Bl %Rec	91.3	%	70-130
		Lab Fort Blank Range	2.7	units	
		Lab Fort Bl. Av. Rec	92.6	%	
		LFB Duplicate RPD	2.9	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.4	ug/l	
		Dup Lab Fort Bl %Rec	94.1	%	70-130
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	95.4	%	
		LFB Duplicate RPD	2.8	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.8	ug/l	
		Dup Lab Fort Bl %Rec	108.7	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	108.7	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 111 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Dibromomethane cis-1,2-Dichloroethylene	LFB Duplicate RPD	0.0	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.9	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	9.3	ug/l	
		Dup Lab Fort BI %Rec	93.9	%	70-130
		Lab Fort Blank Range	5.9	units	
		Lab Fort BI. Av. Rec	96.9	%	
		LFB Duplicate RPD	6.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
	4-Chlorotoluene	Lab Fort Blk. % Rec.	110.1	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	10.5	ug/l	
		Dup Lab Fort BI %Rec	105.3	%	70-130
		Lab Fort Blank Range	4.8	units	
		Lab Fort BI. Av. Rec	107.7	%	
		LFB Duplicate RPD	4.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	1,1-Dichloropropene	Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.8	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	9.4	ug/l	
		Dup Lab Fort BI %Rec	94.0	%	70-130
		Lab Fort Blank Range	5.7	units	
		Lab Fort BI. Av. Rec	96.9	%	
		LFB Duplicate RPD	5.9	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.0	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	9.3	ug/l	
		Dup Lab Fort BI %Rec	93.4	%	70-130
		Lab Fort Blank Range	2.6	units	
		Lab Fort BI. Av. Rec	94.7	%	
	1,3-Dichloropropane	LFB Duplicate RPD	2.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.7	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	10.3	ug/l	
		Dup Lab Fort BI %Rec	103.8	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 112 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBANK-78142	1,3-Dichloropropane	Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	105.2	%	
		LFB Duplicate RPD	2.7	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.8	ug/l	
		Lab Fort Blk. % Rec.	118.1	%	40-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.9	ug/l	
		Dup Lab Fort Bl %Rec	109.7	%	40-130
		Lab Fort Blank Range	8.3	units	
		Lab Fort Bl. Av. Rec	113.9	%	
		LFB Duplicate RPD	7.3	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.7	ug/l	
		Dup Lab Fort Bl %Rec	107.8	%	70-130
		Lab Fort Blank Range	5.2	units	
		Lab Fort Bl. Av. Rec	110.4	%	
		LFB Duplicate RPD	4.7	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
		Lab Fort Blk. % Rec.	119.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.7	ug/l	
		Dup Lab Fort Bl %Rec	117.6	%	70-130
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	118.5	%	
		LFB Duplicate RPD	1.6	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.8	ug/l	
		Lab Fort Blk. % Rec.	78.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	7.5	ug/l	
		Dup Lab Fort Bl %Rec	75.8	%	70-130
		Lab Fort Blank Range	3.0	units	
		Lab Fort Bl. Av. Rec	77.3	%	
		LFB Duplicate RPD	3.8	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	6.7	ug/l	
		Lab Fort Blk. % Rec.	67.2	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LINT-15298

Page 113 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Dichlorodifluoromethane	Dup Lab Fort Bl. Fnd	6.0	ug/l	
		Dup Lab Fort Bl %Rec	60.4	%	40-160
		Lab Fort Blank Range	6.8	units	
		Lab Fort Bl. Av. Rec	63.8	%	
		LFB Duplicate RPD	10.6	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.6	%	70-130
		Lab Fort Blank Range	1.3	units	
		Lab Fort Bl. Av. Rec	97.2	%	
		LFB Duplicate RPD	1.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	Bromobenzene	Lab Fort Blk. Found	10.4	ug/l	
		Lab Fort Blk. % Rec.	104.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.1	ug/l	
		Dup Lab Fort Bl %Rec	101.7	%	70-130
		Lab Fort Blank Range	3.0	units	
		Lab Fort Bl. Av. Rec	103.2	%	
		LFB Duplicate RPD	2.9	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.2	ug/l	
		Lab Fort Blk. % Rec.	82.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	7.6	ug/l	
		Dup Lab Fort Bl %Rec	76.0	%	70-130
		Lab Fort Blank Range	6.2	units	
		Lab Fort Bl. Av. Rec	79.1	%	
	2-Hexanone	LFB Duplicate RPD	7.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.4	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.3	ug/l	
		Dup Lab Fort Bl %Rec	103.6	%	70-160
		Lab Fort Blank Range	6.8	units	
	Diethyl Ether	Lab Fort Bl. Av. Rec	107.0	%	
		LFB Duplicate RPD	6.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.1	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 114 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Diethyl Ether	Lab Fort Blk. % Rec.	91.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.8	ug/l	
		Dup Lab Fort Bl %Rec	88.6	%	70-130
		Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	90.1	%	
		LFB Duplicate RPD	3.4	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.5	%	70-130
		Lab Fort Blank Range	3.0	units	
	1,2-Dibromo-3-Chloropropane	Lab Fort Bl. Av. Rec	101.0	%	
		LFB Duplicate RPD	2.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.2	ug/l	
		Lab Fort Blk. % Rec.	122.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.8	ug/l	
	1,2-Dibromoethane	Dup Lab Fort Bl %Rec	108.0	%	70-130
		Lab Fort Blank Range	14.0	units	
		Lab Fort Bl. Av. Rec	115.0	%	
		LFB Duplicate RPD	12.1	%	0-25
		Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	11.37	ug/l	
		Lab Fort Blk. % Rec.	113.70	%	70-130
	Tetrahydrofuran	Dup Lab Fort Bl Amt.	10.00	ug/l	
		Dup Lab Fort Bl. Fnd	10.95	ug/l	
		Dup Lab Fort Bl %Rec	109.50	%	70-130
		Lab Fort Blank Range	4.20	units	
		Lab Fort Bl. Av. Rec	111.60	%	
		LFB Duplicate RPD	3.76	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.7	ug/l	
		Dup Lab Fort Bl %Rec	97.1	%	70-130
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	98.0	%	
		LFB Duplicate RPD	1.8	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 115 of 126

QC Batch Number: GCMS/VOL-19365

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78142	Diisopropyl Ether	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.5	ug/l	
		Dup Lab Fort Bl %Rec	95.9	%	70-130
		Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	97.5	%	
	tert-Butylethyl Ether	LFB Duplicate RPD	3.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.3	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.7	ug/l	
		Dup Lab Fort Bl %Rec	97.7	%	70-160
		Lab Fort Blank Range	3.5	units	
	tert-Amylmethyl Ether	Lab Fort Bl. Av. Rec	99.5	%	
		LFB Duplicate RPD	3.6	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.0	%	70-130
		Lab Fort Blank Range	1.3	units	
		Lab Fort Bl. Av. Rec	96.6	%	
		LFB Duplicate RPD	1.3	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 116 of 126

QC Batch Number: HG-8813

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Mercury	Sample Amount	<0.012	mg/kg dry wt	
		Matrix Spk Amt Added	0.250	mg/kg dry wt	
		MS Amt Measured	0.261	mg/kg dry wt	
		Matrix Spike % Rec.	104.500	%	75-125
BLANK-116599	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-78169	Mercury	Lab Fort Blank Amt.	0.500	mg/kg dry wt	
		Lab Fort Blk. Found	0.525	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.000	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.527	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.500	%	
		Lab Fort Blank Range	0.500	units	
		Lab Fort Bl. Av. Rec	105.250	%	
		LFB Duplicate RPD	0.475	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 117 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Silver	Sample Amount	<0.58	mg/kg dry wt	
		Duplicate Value		mg/kg dry wt	
		Sample Amount	<0.58	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	108.15	mg/kg dry wt	
		Matrix Spike % Rec.	93.99	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	108.03	mg/kg dry wt	
		MSD % Recovery	93.88	%	75-125
		MSD Range	0.10	units	
		MS Duplicate RPD	0.11	%	0-35
	Arsenic	Sample Amount	<2.88	mg/kg dry wt	
		Duplicate Value		mg/kg dry wt	
		Sample Amount	<2.88	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	112.49	mg/kg dry wt	
		Matrix Spike % Rec.	97.75	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	110.60	mg/kg dry wt	
		MSD % Recovery	96.11	%	75-125
		MSD Range	1.64	units	
		MS Duplicate RPD	1.69	%	0-35
	Barium	Sample Amount	11.82	mg/kg dry wt	
		Duplicate Value	11.89	mg/kg dry wt	
		Duplicate RPD	0.60	%	0-35
		Sample Amount	11.82	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	131.39	mg/kg dry wt	
		Matrix Spike % Rec.	103.90	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	128.33	mg/kg dry wt	
		MSD % Recovery	101.24	%	75-125
		MSD Range	2.65	units	
		MS Duplicate RPD	2.35	%	0-35
	Beryllium	Sample Amount	<0.29	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	114.45	mg/kg dry wt	
		Matrix Spike % Rec.	99.46	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	113.76	mg/kg dry wt	
		MSD % Recovery	98.86	%	75-125
		MSD Range	0.59	units	
		MS Duplicate RPD	0.60	%	0-35



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMT-15298

Page 118 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Cadmium	Sample Amount	<0.29	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	106.54	mg/kg dry wt	
		Matrix Spike % Rec.	92.58	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	106.05	mg/kg dry wt	
		MSD % Recovery	92.16	%	75-125
		MSD Range	0.41	units	
		MS Duplicate RPD	0.45	%	0-35
	Chromium	Sample Amount	6.38	mg/kg dry wt	
		Duplicate Value	5.68	mg/kg dry wt	
		Duplicate RPD	11.67	%	0-35
		Sample Amount	6.38	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	122.52	mg/kg dry wt	
		Matrix Spike % Rec.	100.92	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	120.79	mg/kg dry wt	
	Nickel	MSD % Recovery	99.41	%	75-125
		MSD Range	1.50	units	
		MS Duplicate RPD	1.42	%	0-35
		Sample Amount	5.22	mg/kg dry wt	
		Duplicate Value	4.28	mg/kg dry wt	
		Duplicate RPD	19.79	%	0-35
		Sample Amount	5.22	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	112.47	mg/kg dry wt	
	Lead	Matrix Spike % Rec.	93.19	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	111.89	mg/kg dry wt	
		MSD % Recovery	92.69	%	75-125
		MSD Range	0.50	units	
		MS Duplicate RPD	0.51	%	0-35
		Sample Amount	2.12	mg/kg dry wt	
		Duplicate Value	2.11	mg/kg dry wt	
		Duplicate RPD	0.47	%	0-35
		Sample Amount	2.12	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	113.74	mg/kg dry wt	
		Matrix Spike % Rec.	96.99	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	111.63	mg/kg dry wt	
		MSD % Recovery	95.16	%	75-125



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMT-15298

Page 119 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Lead	MSD Range	1.83	units	
		MS Duplicate RPD	1.87	%	0-35
	Antimony	Sample Amount	<4.61	mg/kg dry wt	
		Duplicate Value		mg/kg dry wt	
		Sample Amount	<4.61	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	102.06	mg/kg dry wt	
		Matrix Spike % Rec.	88.69	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	99.72	mg/kg dry wt	
		MSD % Recovery	86.66	%	75-125
		MSD Range	2.03	units	
		MS Duplicate RPD	2.32	%	0-35
	Selenium	Sample Amount	<5.76	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	107.00	mg/kg dry wt	
		Matrix Spike % Rec.	92.99	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	104.56	mg/kg dry wt	
		MSD % Recovery	90.87	%	75-125
		MSD Range	2.12	units	
	Thallium	MS Duplicate RPD	2.30	%	0-35
		Sample Amount	<3.46	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	104.36	mg/kg dry wt	
		Matrix Spike % Rec.	90.69	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	104.11	mg/kg dry wt	
		MSD % Recovery	90.48	%	75-125
	Vanadium	MSD Range	0.21	units	
		MS Duplicate RPD	0.23	%	0-35
		Sample Amount	7.22	mg/kg dry wt	
		Duplicate Value	6.26	mg/kg dry wt	
		Duplicate RPD	14.35	%	0-35
		Sample Amount	7.22	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	124.95	mg/kg dry wt	
		Matrix Spike % Rec.	102.30	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	123.19	mg/kg dry wt	
		MSD % Recovery	100.77	%	75-125
		MSD Range	1.52	units	
		MS Duplicate RPD	1.41	%	0-35



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 120 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B13883	Zinc	Sample Amount	20.34	mg/kg dry wt	
		Duplicate Value	18.72	mg/kg dry wt	
		Duplicate RPD	8.30	%	0-35
		Sample Amount	20.34	mg/kg dry wt	
		Matrix Spk Amt Added	115.07	mg/kg dry wt	
		MS Amt Measured	133.04	mg/kg dry wt	
		Matrix Spike % Rec.	97.94	%	75-125
		MSD Amount Added	115.07	mg/kg dry wt	
		MSD Amt Measured	128.19	mg/kg dry wt	
		MSD % Recovery	93.72	%	75-125
		MSD Range	4.21	units	
		MS Duplicate RPD	3.71	%	0-35
BLANK-116669	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	<1.00	mg/kg dry wt	
LFBLANK-78241	Silver	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	95.79	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.79	%	65-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	95.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.17	%	65-120
		Lab Fort Blank Range	0.61	units	
		Lab Fort Bl. Av. Rec	95.48	%	
		LFB Duplicate RPD	0.64	%	0-35
	Arsenic	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	101.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.00	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	99.90	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.90	%	80-120
		Lab Fort Blank Range	1.09	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 121 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78241					
Arsenic		Lab Fort Bl. Av. Rec	100.45	%	
		LFB Duplicate RPD	1.09	%	0-35
Barium		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	106.54	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.54	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	105.72	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.72	%	80-120
		Lab Fort Blank Range	0.82	units	
		Lab Fort Bl. Av. Rec	106.13	%	
Beryllium		LFB Duplicate RPD	0.77	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	102.80	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.80	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	101.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.11	%	80-120
		Lab Fort Blank Range	1.69	units	
Cadmium		Lab Fort Bl. Av. Rec	101.95	%	
		LFB Duplicate RPD	1.66	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	96.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.09	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	95.90	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.90	%	80-120
Chromium		Lab Fort Blank Range	0.19	units	
		Lab Fort Bl. Av. Rec	96.00	%	
		LFB Duplicate RPD	0.19	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	105.22	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.22	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	104.78	mg/kg dry wt	
Nickel		Dup Lab Fort Bl %Rec	104.78	%	80-120
		Lab Fort Blank Range	0.43	units	
		Lab Fort Bl. Av. Rec	105.00	%	
		LFB Duplicate RPD	0.41	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	100.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.59	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	100.66	mg/kg dry wt	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 122 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78241	Nickel	Dup Lab Fort Bl %Rec	100.66	%	80-120
		Lab Fort Blank Range	0.06	units	
		Lab Fort Bl. Av. Rec	100.62	%	
		LFB Duplicate RPD	0.06	%	0-35
	Lead	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	104.42	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.42	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	104.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.15	%	80-120
		Lab Fort Blank Range	0.27	units	
		Lab Fort Bl. Av. Rec	104.28	%	
		LFB Duplicate RPD	0.26	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	103.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.09	%	65-120
	Antimony	Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	101.90	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.90	%	65-120
		Lab Fort Blank Range	1.19	units	
		Lab Fort Bl. Av. Rec	102.49	%	
		LFB Duplicate RPD	1.16	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	99.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.05	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	98.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.17	%	80-120
	Selenium	Lab Fort Blank Range	0.87	units	
		Lab Fort Bl. Av. Rec	98.61	%	
		LFB Duplicate RPD	0.89	%	0-35
		Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	92.30	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.30	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	91.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.19	%	
		Lab Fort Blank Range	1.10	units	
		Lab Fort Bl. Av. Rec	91.74	%	
		LFB Duplicate RPD	1.20	%	0-35
	Thallium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	106.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.40	%	80-120
	Vanadium	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	106.40	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.40	%	80-120



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 123 of 126

QC Batch Number: ICP-18883

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78241	Vanadium	Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	105.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.65	%	80-120
		Lab Fort Blank Range	0.74	units	
		Lab Fort Bl. Av. Rec	106.03	%	
		LFB Duplicate RPD	0.70	%	0-35
	Zinc	Lab Fort Blank Amt.	100.00	mg/kg dry wt	
		Lab Fort Blk. Found	103.37	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.37	%	80-120
		Dup Lab Fort Bl Amt.	100.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	104.67	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.67	%	80-120
		Lab Fort Blank Range	1.30	units	
		Lab Fort Bl. Av. Rec	104.02	%	
		LFB Duplicate RPD	1.24	%	0-35



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LIMIT-15298

Page 124 of 126

NOTES:

QC Batch No. : HG-8813

Sample ID : 08B13883

Analysis : Mercury

SAMPLE DUPLICATE NOT REPORTED DUE TO "NOT DETECTED" SAMPLE AND DULPICATE RESUTLS.

QC Batch No. : GCMS/SEMI-10706

Sample ID : 08B13884

Analysis : Terphenyl-d14

SURROGATE RECOVERY OUTSIDE OF CON-TEST CONTROL LIMITS, BUT WITHIN METHOD REQUIREMENTS.

QC Batch No. : GCMS/VOL-19353

Sample ID : LFBLANK-78095

Analysis : 1,2-Dibromo-3-Chloropropane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-19353

Sample ID : LFBLANK-78095

Analysis : 2,2-Dichloropropane

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.

QC Batch No. : GCMS/VOL-19353

Sample ID : LFBLANK-78095

Analysis : trans-1,3-Dichloropropene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-19354

Sample ID : LFBLANK-78097

Analysis : 1,2-Dibromo-3-Chloropropane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-19354

Sample ID : LFBLANK-78097

Analysis : 2,2-Dichloropropane

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat # : LIMIT-15298

Page 125 of 126

QC Batch No. : GCMS/VOL-19354

Sample ID : LFBLANK-78097

Analysis : trans-1,3-Dichloropropene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-19365

Sample ID : LFBLANK-78142

Analysis : Bromomethane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/SEMI-10706

Sample ID : LFBLANK-78230

Analysis : Fluoranthene

LABORATORY FORTIFIED BLANK RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANY REPORTED VALUE FOR THIS COMPOUND IS LIKELY TO BE BIASED ON THE HIGH SIDE.

QC Batch No. : GC/FID-21010

Sample ID : LFBLANK-78275

Analysis : C19-C36 Aliphatics

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No. : GC/FID-21010

Sample ID : LFBLANK-78275

Analysis : C9-C18 Aliphatics

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No. : GCMS/SEMI-10721

Sample ID : LFBLANK-78356

Analysis : Pentachlorophenol

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/16/2008

Lims Bat #: LINT-15298

Page 126 of 126

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: CON-TEST Analytical Laboratory

Project #: *LIMT-15298*

Project Location: *29 Elm St. SALISBURY*

MADEP RTN¹:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

08B13866-08B13890

Sample Matrices: ☒ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

**MCP SW-846
Methods Used**

8260B ☒

8151A ()

8330 ()

6010B ☒

7470A/1A ☒

8270C ☒

8081A ()

VPH ☒

6020 ()

9014M² ()

As specified in MADEP
Compendium of
Analytical Methods.

8082 ☒

8021B ()

EPH ☒

7000 S³ ()

7196A ()

(check all that apply)

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

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

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

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

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

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: _____

Edward Denson

Position: Technical Director

Printed Name: Edward Denson

Date: _____

4/28/08

Frac. Check Gilson Fractionator (FCS)

Silica Lot: S212-34 Vendor: PHENOMENEX
Frac Check Lot: 040308 PJG Amount of DCM collected: 5000 uI
Hexane Lot: 48031 Amount of Hexane collected: 1500 uI
DCM Lot: 48011
Acetone Lot: 48011 Data File: 040308 B088.D

Compound	Conc.(ppm)	1500uI	% REC	Limits
Naphthalene	50	42.184	84%	40-140
2-Methylnaphthalene	50	45.351	91%	40-140
Acenaphthalene	50	46.426	93%	40-140
Acenaphthene	50	48.847	98%	40-140
Fluorene	50	46.780	94%	40-140
Phenanthrene	50	47.263	95%	40-140
Anthracene	50	49.241	98%	40-140
o-Terphenyl (sum)	50	47.724	95%	40-140
Fluoranthene	50	48.794	98%	40-140
Pyrene	50	50.445	101%	40-140
Benzo(a)anthracene	50	49.484	99%	40-140
Chrysene	50	51.073	102%	40-140
Benzo(b)fluoranthene	50	48.142	96%	40-140
Benzo(k)fluoranthene	50	49.764	100%	40-140
Benzo(a)pyrene	50	49.565	99%	40-140
Indeno(123cd)pyrene	50	45.911	92%	40-140
Dibenzo(ah)anthracene	50	49.095	98%	40-140
Benzo(ghi)perylene	50	48.134	96%	40-140
C9	50	38.967	78%	30-140
C10	50	41.277	83%	40-140
C12	50	44.207	88%	40-140
C14	50	43.780	88%	40-140
C16	50	45.787	92%	40-140
C18	50	47.178	94%	40-140
C19	50	47.236	94%	40-140
C20	50	48.008	96%	40-140
1-Chlorooctadecane (sum)	50	40.278	81%	40-140
C22	50	46.447	93%	40-140
C24	50	48.823	98%	40-140
C26	50	42.960	86%	40-140
C28	50	42.960	86%	40-140
C30	50	43.243	86%	40-140
C36	50	45.682	91%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50	49.341	99%	40-140
2-Bromonaphthalene	50	42.830	86%	40-140
Aliphatic Bleed thru			% (<5%)	
Naphthalene	0		0.000	
2-Methylnaphthalene	0		0.000	

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 2 of 2

Company Name: TRC
 Address: 630 S. 10th St. - Ste 100
 Telephone: (718) 770-5600
 Project # 114605.000
 Client PO #

Attention: R. Nicks
 Project Location: 29 Elm St. - Salisbury
 Sampled By: John A. R. Nicks

Proposal Provided? (For Billing purposes) ☐ yes ☐ no
 State Form Required? ☐ yes ☐ no
 Proposal date:

Field ID	Sample Description	Lab #	Date Sampled		Comp- osite	Grab	Matrix		ANALYSIS REQUESTED
			Start Date/Time	Stop Date/Time			Code	Conc. Code	
B-1/MW-3-4	13806177	4808	11/15		X	S	L	X	VPH EPH SVOCs Metals PCBs VOCs
B-2/MW-3-4	13804778	1		1000	X	S	L	X	
B-3/MW-3-0-1	13804779	1		900	X	S	L	X	
TP-1-4	13804780	1		900	X	S	L	X	
TP-2-Soil	1387081	1		1315	X	S	H	X	
TP-2-WATER	13871	1		1330	X	S	H	X	
TP-3-3	13872182	1		1400	X	S	L	X	
TP-4-7	13873183	1		1030	X	S	L	X	

Laboratory Comments: 1
 Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Turnaround ******
☐ 7-Day
☒ 10-Day
☐ Other 14
RUSH *

Detection Limit Requirements
 Regulations? MDP
 Data Enhancement Project/PCP? ☐ Y ☒ N
 Special Requirements or DLs:

Matrix Code:
 GW = groundwater
 WW = wastewater
 DW = drinking water
 A = air
 S = soil/solid
 SL = sludge
 O = other

Preservation Codes:
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium bisulfate
 O = Other

Client Comments: MCP Metals + Hg per QAPP 10/4/21



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@conestlabs.com
www.conestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: TRC
Address: 650 Suffolk Street
Lowell, MA

Telephone: (978) 920-5600
Project # 114605.0000

Client PO #

Attention: R. Niles

Project Location: 29 Elm St, Salisbury, MA

Sampled By: JM + RV

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☐ yes ☐ no

DATA DELIVERY (check one):

☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: rniles@conestlabs.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Field ID

Sample Description

Lab #

Start Date/Time

Stop Date/Time

Comp. site

Grab

Matrix

Code

Conc.

Code

Code

Code

Code

TP-5-3

13879/89

4/18/08

1115

X

S

L

X

X

X

X

X

X

X

TP-6-22

13875/85

12/12/00

1240

X

S

L

X

X

X

X

X

X

X

TP-7-6

13874/38840

1320

1320

X

S

L

X

X

X

X

X

X

X

TP-8-2

13877/3887

1320

1320

X

S

L

X

X

X

X

X

X

X

TP-901-4

13874/38840

1500

1500

X

S

L

X

X

X

X

X

X

X

TP-903-3

13874/38840

1510

1510

X

S

L

X

X

X

X

X

X

X

TP-1P Blank

13890

4/18/08

0500

X

L

X

X

X

X

X

X

X

X

Laboratory Comments:

* Jar & Vial labelled TP 5-2 = TP 6-2 per Ryan N. Analyze for VAP, EPH, SVOC, & Metals + Hg. AP 4/21

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Turnaround **

☐ 7-Day

☐ 10-Day

☒ Other

Regulations?

Detection Limit Requirements

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

Received by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Received by: (signature)

Date/Time: 4/18/08 1505

Received by: (signature)

Date/Time: 4/18/08 1505

Received by: (signature)

Date/Time: 4/18/08 1505

Received by: (signature)

Date/Time: 4/18/08 1505

Received by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

Relinquished by: (signature)

Date/Time: 4/18/08 1505

INCORRECT. TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified



www.contestlabs.com

39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: TRE
RECEIVED BY: CE DATE: 4/18/08

1. Was chain of custody relinquished and signed?
2. Does Chain agree with samples?

YES YES NO NO

If not, explain:

3. All Samples in good condition?

YES NO

If not, explain:

4. Were samples received in compliance with
Temperature 0-6 degrees C?

YES NO

5. Are there any dissolved samples for the lab to filter?

YES NO

Degrees by temp
blank 3.00
Degrees by temp
gun _____

Who was notified? _____ Date: _____ Time: _____

6. Are there any on hold samples?

YES

NO

STORED WHERE:

7. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS
NOTIFIED? _____ DATE _____ TIME _____

8. Location where samples are stored:

1B

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature _____

CONTAINERS SENT IN TO CON-TEST	# of container	CONTAINERS SENT TO CON-TEST	# of containers
1 liter amber		Air Cassettes	
500 ml amber		8 oz clear jar	1
250 ml amber (8oz. Amber)	14	4 oz clear jar	
1 liter plastic		2 oz clear jar	
500 ml plastic		Plastic bag	
250 ml plastic		Encore	
40 ml vial—which kind—list below	20	Brass Sleeves	
Colisure bottle		Tubes	
Dissolved oxygen bottle		Summa cans	
Flashpoint bottle		Other	

Laboratory comments: Received extra 250ml + vial TP-5-2

of HCL Vial _____ # of Methanol vials 10 # of Sodium Bisulfate vials 10

of DI water(to be frozen) vials _____ Time and Date when frozen _____

Do all the samples have the correct pH levels? YES NO If no, please explain above



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: 29 ELM STREET, SALISBURY, MA.

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	SUBCONTRACT LAB (IF ANY)
DUP-1	08B14950	GRND WATER	Not Specified	eph - water 04	
DUP-1	08B14950	GRND WATER	Not Specified	vph - water 04	
DUP-1	08B14955	GRND WATER	Not Specified	6010 h2o mcp	
DUP-1	08B14955	GRND WATER	Not Specified	8260 mcp water	
DUP-1	08B14955	GRND WATER	Not Specified	8270 mcp water	
DUP-1	08B14955	GRND WATER	Not Specified	hg (mg/l) wet	
MW-1	08B14947	GRND WATER	Not Specified	eph - water 04	
MW-1	08B14947	GRND WATER	Not Specified	vph - water 04	
MW-1	08B14952	GRND WATER	Not Specified	6010 h2o mcp	
MW-1	08B14952	GRND WATER	Not Specified	8260 mcp water	
MW-1	08B14952	GRND WATER	Not Specified	8270 mcp water	
MW-1	08B14952	GRND WATER	Not Specified	hg (mg/l) wet	
MW-2	08B14948	GRND WATER	Not Specified	eph - water 04	
MW-2	08B14948	GRND WATER	Not Specified	vph - water 04	
MW-2 QC	08B14953	GRND WATER	Not Specified	6010 h2o mcp	
MW-2 QC	08B14953	GRND WATER	Not Specified	8260 mcp water	
MW-2 QC	08B14953	GRND WATER	Not Specified	8270 mcp water	
MW-2 QC	08B14953	GRND WATER	Not Specified	hg (mg/l) wet	
MW-3	08B14949	GRND WATER	Not Specified	eph - water 04	
MW-3	08B14949	GRND WATER	Not Specified	vph - water 04	
MW-3	08B14954	GRND WATER	Not Specified	6010 h2o mcp	
MW-3	08B14954	GRND WATER	Not Specified	8260 mcp water	
MW-3	08B14954	GRND WATER	Not Specified	8270 mcp water	
MW-3	08B14954	GRND WATER	Not Specified	hg (mg/l) wet	
TRIP BLANK	08B14951	WATER OTHE	Not Specified	8260 mcp water	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMIT-15505

REVISED REPORT - 05/09/2008 - THE 8270 REPORTING LIMITS WERE CHANGED FROM LOW LEVEL TO STANDARD.

CASE NARRATIVE SUMMARY

IN EPH METHOD, LABORATORY FORTIFIED BLANK AND LABORATORY FORTIFIED BLANK DUPLICATE RECOVERIES WERE OUTSIDE CONTROL LIMITS FOR NONANE. LOW BIAS ANTICIPATED FOR ANY REPORTED RESULT IN THE C9-C18 ALIPHATIC RANGE.

IN METHOD 8260, ANY REPORTED RESULTS FOR 1,4-DIOXANE, BROMOMETHANE, AND N-BUTYLBENZENE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8270, ANY REPORTED RESULTS FOR 4-CHLOROANILINE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

IN METHOD 8270, LABORATORY FORTIFIED BLANK DUPLICATE RPD FOR ANTHRACENE, BENZO(A)PYRNE, BENZO(G,H,I)PERYLENE, BIS(2-ETHYLHEXYL)PHTHALATE, 4-BROMOPHENYLPHENYLETHER, BUTYLBENZYLPHTHALATE, CHRYSENE, DIBENZ(A,H)ANTHRACENE, DI-N-OCTYLPHTHALATE, FLUORANTHENE, HEXACHLOROBENZENE, PYRENE, AND PHENANTHRENE IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THESE COMPOUNDS.

IN METHOD 8270, MS AND MSD REQUESTED AND PERFORMED ON SAMPLE 08B14953. MSD RPD FOR ANILINE, 3,3-DICHLOROBENZIDINE, AND 2,4-DIMETHYLPHENOL IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THESE COMPOUNDS IN THIS SAMPLE. MS AND MSD RECOVERY FOR 4-NITROPHENOL IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS CANNOT BE ELIMINATED.

THERE ARE NO OTHER ANALYTICAL ISSUES AFFECTING THE USABILITY OF THE DATA.

DETAILED CASE NARRATIVE

METHOD SW846-7470A

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 7470A UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 7470A WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 7470A EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE AND LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AS WELL AS LCS RPD, FOR REQUIRED MCP DATA ENHANCEMENT MERCURY 7470A WERE ALL WITHIN REQUIRED CONTROL LIMITS EXCEPT AS LISTED BELOW: NONE OUTSIDE CONTROL LIMITS

THE 7470A METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

ALL 7470A MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: SAMPLE DUPLICATE, MS AND MSD PERFORMED ON SAMPLE 08B14953. SAMPLE DUPLICATE NOT REPORTED DUE TO "NOT DETECTED" SAMPLE AND DUPLICATE RESULTS.

METHOD SW846-6010

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 6010 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 6010 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 6010 EXCEPT AS LISTED BELOW: ALL STANDARDS MET

INTERFERENCE CHECK STANDARDS (ICSA & ICSAB) VERIFIED INTER-ELEMENT SPECTRAL INTERFERENCE CORRECTIONS, WITH CONTROL LIMITS OF 80-120% FOR ALL ANALYTES, EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE AND LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AS WELL AS LCS RPD, FOR REQUIRED MCP DATA ENHANCEMENT 6010 ELEMENTS WERE ALL WITHIN REQUIRED CONTROL LIMITS EXCEPT AS LISTED BELOW: NONE OUTSIDE CONTROL LIMITS

THE 6010 METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 6010 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: SAMPLE DUPLICATE, MS, MSD, POST SPIKE AND DILUTION TEST PERFORMED ON SAMPLE 08B14953. SAMPLE DUPLICATE NOT REPORTED FOR AG, AS, BE, CD, CR, NI, PB, SB, SE, TL AND V DUE TO "NOT DETECTED" SAMPLE AND DUPLICATE RESULTS.

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 6010 UNLESS NOTED BELOW:
ALL RESULTS WERE REPORTED

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH) MADEP-EPH-04-1.1

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE EPH METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL EPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW: ALL PROPERLY PRESERVED

SPE CARTRIDGE CONTAMINATION WITH NON-PETROLEUM COMPOUNDS, IF PRESENT, IS VERIFIED BY GC/MS IN EACH METHOD BLANK PER EXTRACTION BATCH AND EXCLUDED FROM C11-C22 AROMATIC RANGE FRACTION IN ALL SAMPLES IN THE BATCH. THE EPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMITS EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL EPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
NO DILUTIONS WERE PERFORMED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR EPH METHOD
EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES,
AND LCS DUPLICATE RPDs FOR ALL EPH TARGET COMPOUNDS AND RANGES, INCLUDING NAPHTHALENE AND
2-METHYLNAPHTHALENE BREAKTHROUGH INTO THE ALIPHATIC FRACTION WERE WITHIN CONTROL LIMITS
SPECIFIED BY THE METHOD UNLESS LISTED BELOW: LABORATORY FORTIFIED BLANK AND LABORATORY
FORTIFIED BLANK DUPLICATE RECOVERIES WERE OUTSIDE CONTROL LIMITS FOR NONANE. LOW BIAS
ANTICIPATED FOR ANY REPORTED RESULT IN THE C9-C18 ALIPHATIC RANGE.

ALL EPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD
UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS
EPH QC SURROGATE RECOVERIES

BLANK-117116

2-FLUOROBIPHENYL:	91.2%
2-BROMONAPHTHALENE:	90.2%
CHLOROOCATADECANE:	30.6%
O-TERPHENYL:	84.4%

LFBLANK-78685	LFB	LFB DUPLICATE
2-FLUOROBIPHENYL:	96.5%	96.6%
2-BROMONAPHTHALENE:	96.7%	97.0%
CHLOROOCATADECANE:	21.7%	29.4%
O-TERPHENYL:	89.0%	89.3%

EPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD,
IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS
LISTED BELOW: NONE REQUESTED

VOLATILE PETROLEUM HYDROCARBONS (VPH) MADEP-VPH-04-1.1

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE VPH
METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL VPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2; SOIL SAMPLES IN
METHANOL WITH A SOIL/METHANOL RATIO OF 1:1 +/- 25% COMPLETELY COVERED BY METHANOL) IN THE
PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW:
ALL PROPERLY PRESERVED

THE VPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS
ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL VPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:
NO DILUTIONS WERE PERFORMED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR THE VPH
METHOD EXCEPT AS LISTED BELOW: ALL STANDARDS MET



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL VPH COMPONENT STANDARD COMPOUNDS WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

ALL VPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS
VPH QC SURROGATE RECOVERIES

BLANK-117170

2,5-DIBROMOTOLUENE PID 86.0%

BLANK-117171

2,5-DIBROMOTOLUENE FID 84.5%

LFBLANK-78734 LFB LFB DUPLICATE

2,5-DIBROMOTOLUENE PID 91.0% 95.3%

LFBLANK-78736 LFB LFB DUPLICATE

2,5-DIBROMOTOLUENE FID 86.2% 86.2%

VPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

RESULTS FOR ALL ANALYTE-LIST COMPOUNDS WERE REPORTED FOR VPH UNLESS LISTED BELOW:
ALL REPORTED

METHOD SW846 8260

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8260 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8260 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

THE 8260 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW:

METHOD BLANK CONTAMINATED WITH HEXACHLOROBUTADIENE AT 1.2 UG/L.

ALL 8260 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW: NO DILUTIONS WERE PERFORMED

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8260 EXCEPT THAT RESPONSE FACTOR FOR 1,4-DIOXANE IS LESS THAN 0.05, AND/OR EXCEPT AS LISTED BELOW:

ANY REPORTED RESULTS FOR 1,4-DIOXANE, BROMOMETHANE, AND N-BUTYLBENZENE ARE ESTIMATED.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.
EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA

LABORATORY CONTROL SAMPLE RECOVERIES FOR REQUIRED MCP DATA ENHANCEMENT 8260 COMPOUNDS WERE ALL WITHIN LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RECOVERY CONTROL LIMITS OF 40-160% ARE USED AND/OR UNLESS LISTED BELOW:

DIFFICULT ANALYTES: MIBK, MEK, TETRACHLOROETHYLENE, ACETONE, 1,4-DIOXANE, VINYL CHLORIDE, CHLOROMETHANE, DICHLORODIFLUOROMETHANE, 2-HEXANONE, NAPHTHALENE AND BROMOMETHANE
ADDITIONAL DIFFICULT ANALYTES IN WATER ONLY: 2,2-DICHLOROPROPANE, AND TERT-BUTYLETHYL ETHER

ADDITIONAL DIFFICULT ANALYTES IN SOIL ONLY: CHLOROETHANE,
1,2,3-TRICHLOROPROPANE, 1,2,4-TRICHLOROBENZENE, METHYLENE CHLORIDE, N-BUTYLBENZENE,
AND TERT-BUTYLBENZENE

DUPLICATE LABORATORY FORTIFIED BLANK RPDs WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD EXCEPT FOR "DIFFICULT ANALYTES" WHERE RPDs OF 50% ARE USED AND/OR UNLESS LISTED BELOW:

DIFFICULT ANALYTE: 1,4-DIOXANE
ADDITIONAL DIFFICULT ANALYTES FOR SOIL ONLY: ACETONE, MEK, CHLOROETHANE, BROMOMETHANE,
AND 2-HEXANONE

COMPOUNDS OUTSIDE OF CONTROL LIMITS:

LABORATORY FORTIFIED BLANK AND DUPLICATE RECOVERIES FOR BROMOMETHANE AND 1,2,3-TRICHLOROBENZENE ARE OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE NOT DETECTED FOR THESE COMPOUNDS AND BIAS IS ON THE HIGH SIDE.

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY FOR BROMOFORM AND N-BUTYLBENZENE IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.

ALL 8260 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

8260 QC SURROGATE RECOVERIES

BLANK-117028

D4-1,2-DICHLOROETHANE:	111%
D8-TOLUENE:	95.0%
BROMOFLUOROBENZENE:	97.0%

LFBLANK-78597	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	108%	108%
D8-TOLUENE:	95.2%	93.6%
BROMOFLUOROBENZENE:	100%	104%

ALL 8260 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPDs, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 8260 UNLESS NOTED BELOW:
ALL RESULTS WERE REPORTED.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW: NOT REQUESTED

METHOD SW846 8270

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY METHOD 8270 UNLESS LISTED BELOW: NONE EXCEEDED

ALL SAMPLES FOR METHOD 8270 WERE RECEIVED PRESERVED PROPERLY IN THE PROPER CONTAINERS AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS LISTED BELOW: ALL PROPERLY PRESERVED

THE 8270 METHOD BLANK WAS NOT CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL 8270 SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:
NO DILUTIONS WERE PERFORMED

TUNING, INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR METHOD 8270 EXCEPT AS LISTED BELOW:

ANY REPORTED RESULTS FOR 4-CHLOROANILINE ARE ESTIMATED. EITHER INITIAL OR CONTINUING CALIBRATION DID NOT MEET REQUIRED CRITERIA.

LABORATORY CONTROL SAMPLE RECOVERIES FOR REQUIRED MCP DATA ENHANCEMENT 8270 COMPOUNDS WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD, 40-140% FOR BASE/NEUTRALS AND 30-130% FOR ACIDS EXCEPT FOR "DIFFICULT ANALYTES" LISTED BELOW AND/OR OTHERWISE LISTED BELOW:

DIFFICULT ANALYTES FOR SOIL LCS - LIMITS BETWEEN 10 AND 180% DEPENDING ON THE COMPOUND (SEE QC SUMMARY FOR LIMITS): 3,3'-DICHLOROBENZIDINE, ANILINE, AND 4-CHLOROANILINE

DIFFICULT ANALYTES FOR WATER LCS - LIMITS BETWEEN 10 AND 150% DEPENDING ON THE COMPOUND (SEE QC SUMMARY FOR LIMITS): ANILINE, DIMETHYLPHTHALATE, BIS(2-CHLOROISOPROPYL)ETHER, 4-NITROPHENOL, AND PHENOL

DUPLICATE LABORATORY FORTIFIED BLANK RPDs WERE ALL LESS THAN OR EQUAL TO 20% FOR WATER OR 30% FOR SOIL EXCEPT FOR "DIFFICULT ANALYTES" WHERE RPDs OF 50% ARE USED AND/OR OTHERWISE LISTED BELOW:

DIFFICULT ANALYTES FOR WATER RPDs: ANILINE, BENZO(B)FLUORANTHENE, BENZO(K)FLUORANTHENE, BENZO(A,H)ANTHRACENE, DIMETHYLPHTHALTE, HEXACHLOROETHANE, INDENO(1,2,3-CD)PYRENE, 2,4-DINITROPHENOL, 4-NITROPHENOL, 2,4,6-TRICHLOROPHENOL, AND PENTACHLOROPHENOL

DIFFICULT ANALYTES FOR SOIL RPDs: 3,3'-DICHLOROBENZIDINE, 4-NITROPHENOL, AND ANILINE

COMPOUNDS OUTSIDE OF CONTROL LIMITS:

LABORATORY FORTIFIED BLANK DUPLICATE RPD FOR ANTHRACENE, BENZO(A)PYRNE, BENZO(G,H,I)PERYLENE, BIS(2-ETHYLHEXYL)PHTHALATE, 4-BROMOPHENYLPHENYLEETHER, BUTYLBENZYLPHTHALATE, CHRYSENE, DIBENZ(A,H)ANTHRACENE, DI-N-OCTYLPHTHALATE, FLUORANTHENE, HEXACHLOROBENZENE, PYRENE, AND PHENANTHRENE IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THESE COMPOUNDS.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMIT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

ALL 8270 SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

8270 QC SURROGATE RECOVERIES

BLANK-117139

PHENOL-D6:	26.5%
NITROBENZENE-D5:	65.0%
2-FLUOROBIPHENYL:	58.0%
2,4,6-TRIBROMOPHENOL:	71.0%
TERPHENYL-D14:	56.0%
2-FLUOROPHENOL:	39.5%

LFBLANK-78703 LFB LFB DUPLICATE

PHENOL-D6:	26.7%	29.2%
NITROBENZENE-D5:	68.3%	73.4%
2-FLUOROBIPHENYL:	56.3%	62.4%
2,4,6-TRIBROMOPHENOL:	76.2%	86.8%
TERPHENYL-D14:	71.5%	68.6%
2-FLUOROPHENOL:	39.9%	42.2%

MATRIX SPIKE SAMPLE 08B14953 MS MS DUPLICATE

PHENOL-D6:	27.3%	27.6%
NITROBENZENE-D5:	69.1%	67.4%
2-FLUOROBIPHENYL:	60.2%	56.8%
2,4,6-TRIBROMOPHENOL:	77.6%	77.6%
TERPHENYL-D14:	58.9%	53.8%
2-FLUOROPHENOL:	40.0%	38.0%

ALL 8270 MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: MS AND MSD REQUESTED AND PERFORMED ON SAMPLE 08B14953.

MSD RPD FOR ANILINE, 3,3-DICHLORO BENZIDINE, AND 2,4-DIMETHYLPHENOL IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR ANY REPORTED RESULTS FOR THESE COMPOUNDS IN THIS SAMPLE.

MSD RECOVERY FOR ANILINE, 2,4-DIMETHYLPHENOL, AND PHENOL IS OUTSIDE OF CONTROL LIMITS, BUT MS RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE-TIME ANOMALY.

MS AND MSD RECOVERY FOR 4-NITROPHENOL IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS CANNOT BE ELIMINATED.

ALL ANALYTE LIST COMPOUNDS WERE REPORTED FOR METHOD 8270 UNLESS LISTED BELOW:
ALL RESULTS WERE REPORTED.

TENTATIVELY IDENTIFIED COMPOUNDS (TICs) IF REQUESTED ARE LISTED BELOW: NOT REQUESTED

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

REPORT DATE 5/9/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: RYAN NILES

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LMT-15505
JOB NUMBER: 114605-000010-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 5/9/08
SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Assurance Officer

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 1 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	04/30/08	OP	0.04		
Arsenic	mg/l	ND	04/30/08	OP	0.005		
Barium	mg/l	ND	04/30/08	OP	0.0500		
Beryllium	mg/l	ND	04/30/08	OP	0.0020		
Cadmium	mg/l	ND	04/30/08	OP	0.0025		
Chromium	mg/l	ND	04/30/08	OP	0.005		
Lead	mg/l	ND	04/30/08	OP	0.0075		
Nickel	mg/l	ND	04/30/08	OP	0.005		
Selenium	mg/l	ND	04/30/08	OP	0.05		
Silver	mg/l	ND	04/30/08	OP	0.003		
Thallium	mg/l	ND	04/30/08	OP	0.03		
Vanadium	mg/l	ND	04/30/08	OP	0.025		
Zinc	mg/l	0.014	04/30/08	OP	0.010		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 2 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID : 08B14952

‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	04/30/08	OP	0.04		
Arsenic	mg/l	ND	04/30/08	OP	0.005		
Barium	mg/l	0.0561	04/30/08	OP	0.0500		
Beryllium	mg/l	ND	04/30/08	OP	0.0020		
Cadmium	mg/l	ND	04/30/08	OP	0.0025		
Chromium	mg/l	0.006	04/30/08	OP	0.005		
Lead	mg/l	ND	04/30/08	OP	0.0075		
Nickel	mg/l	0.006	04/30/08	OP	0.005		
Selenium	mg/l	ND	04/30/08	OP	0.05		
Silver	mg/l	ND	04/30/08	OP	0.003		
Thallium	mg/l	ND	04/30/08	OP	0.03		
Vanadium	mg/l	ND	04/30/08	OP	0.025		
Zinc	mg/l	0.019	04/30/08	OP	0.010		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 3 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2 QC

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14953 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	04/30/08	OP	0.04		
Arsenic	mg/l	ND	04/30/08	OP	0.005		
Barium	mg/l	0.131	04/30/08	OP	0.0500		
Beryllium	mg/l	ND	04/30/08	OP	0.0020		
Cadmium	mg/l	ND	04/30/08	OP	0.0025		
Chromium	mg/l	ND	04/30/08	OP	0.005		
Lead	mg/l	ND	04/30/08	OP	0.0075		
Nickel	mg/l	ND	04/30/08	OP	0.005		
Selenium	mg/l	ND	04/30/08	OP	0.05		
Silver	mg/l	ND	04/30/08	OP	0.003		
Thallium	mg/l	ND	04/30/08	OP	0.03		
Vanadium	mg/l	ND	04/30/08	OP	0.025		
Zinc	mg/l	0.020	04/30/08	OP	0.010		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 4 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14954 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Antimony	mg/l	ND	04/30/08	OP	0.04		
Arsenic	mg/l	0.008	04/30/08	OP	0.005		
Barium	mg/l	ND	04/30/08	OP	0.0500		
Beryllium	mg/l	ND	04/30/08	OP	0.0020		
Cadmium	mg/l	ND	04/30/08	OP	0.0025		
Chromium	mg/l	ND	04/30/08	OP	0.005		
Lead	mg/l	ND	04/30/08	OP	0.0075		
Nickel	mg/l	ND	04/30/08	OP	0.005		
Selenium	mg/l	ND	04/30/08	OP	0.05		
Silver	mg/l	ND	04/30/08	OP	0.003		
Thallium	mg/l	ND	04/30/08	OP	0.03		
Vanadium	mg/l	ND	04/30/08	OP	0.025		
Zinc	mg/l	0.013	04/30/08	OP	0.010		

Analytical Method:

SW846 6010

SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 5 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: DUP-1

Sample ID : 08B14955

‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/l	ND	05/01/08	LBD	50.0		
tert-Amylmethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Benzene	ug/l	ND	05/01/08	LBD	1.0		
Bromobenzene	ug/l	ND	05/01/08	LBD	1.0		
Bromochloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromodichloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromoform	ug/l	ND	05/01/08	LBD	1.0		
Bromomethane	ug/l	ND	05/01/08	LBD	5.0		
2-Butanone (MEK)	ug/l	ND	05/01/08	LBD	20.0		
n-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
sec-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Carbon Disulfide	ug/l	ND	05/01/08	LBD	3.0		
Carbon Tetrachloride	ug/l	ND	05/01/08	LBD	1.0		
Chlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Chlorodibromomethane	ug/l	ND	05/01/08	LBD	0.5		
Chloroethane	ug/l	ND	05/01/08	LBD	2.0		
Chloroform	ug/l	ND	05/01/08	LBD	2.0		
Chloromethane	ug/l	ND	05/01/08	LBD	2.0		
2-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
4-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dibromo-3-Chloropropane	ug/l	ND	05/01/08	LBD	5.0		
1,2-Dibromoethane	ug/l	ND	05/01/08	LBD	0.50		
Dibromomethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,4-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Dichlorodifluoromethane	ug/l	ND	05/01/08	LBD	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 6 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
cis-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
trans-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichloropropane	ug/l	ND	05/01/08	LBD	0.5		
2,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloropropene	ug/l	ND	05/01/08	LBD	2.0		
cis-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
trans-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
Diethyl Ether	ug/l	ND	05/01/08	LBD	2.0		
Diisopropyl Ether	ug/l	ND	05/01/08	LBD	0.5		
1,4-Dioxane	ug/l	ND	05/01/08	LBD	50.0		
Ethyl Benzene	ug/l	ND	05/01/08	LBD	1.0		
Hexachlorobutadiene	ug/l	ND	05/01/08	LBD	1.0		
2-Hexanone	ug/l	ND	05/01/08	LBD	10.0		
Isopropylbenzene	ug/l	ND	05/01/08	LBD	1.0		
p-Isopropyltoluene	ug/l	ND	05/01/08	LBD	1.0		
MTBE	ug/l	ND	05/01/08	LBD	1.0		
Methylene Chloride	ug/l	ND	05/01/08	LBD	5.0		
MIBK	ug/l	ND	05/01/08	LBD	10.0		
Naphthalene	ug/l	ND	05/01/08	LBD	2.0		
n-Propylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Styrene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	0.5		
Tetrachloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Tetrahydrofuran	ug/l	ND	05/01/08	LBD	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 7 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: DUP-1

Sample ID : 08B14955

‡Sampled : 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	ND	05/01/08	LBD	1.0		
1,2,3-Trichlorobenzene	ug/l	ND	05/01/08	LBD	5.0		
1,2,4-Trichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
Trichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Trichlorofluoromethane	ug/l	ND	05/01/08	LBD	2.0		
1,2,3-Trichloropropane	ug/l	ND	05/01/08	LBD	2.0		
1,2,4-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3,5-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Vinyl Chloride	ug/l	ND	05/01/08	LBD	2.0		
m + p Xylene	ug/l	ND	05/01/08	LBD	2.0		
o-Xylene	ug/l	ND	05/01/08	LBD	1.0		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 8 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID : 08B14952

‡Sampled : 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acetone	ug/l	ND	05/01/08	LBD	50.0		
tert-Amylmethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Benzene	ug/l	ND	05/01/08	LBD	1.0		
Bromobenzene	ug/l	ND	05/01/08	LBD	1.0		
Bromochloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromodichloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromoform	ug/l	ND	05/01/08	LBD	1.0		
Bromomethane	ug/l	ND	05/01/08	LBD	5.0		
2-Butanone (MEK)	ug/l	ND	05/01/08	LBD	20.0		
n-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
sec-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Carbon Disulfide	ug/l	ND	05/01/08	LBD	3.0		
Carbon Tetrachloride	ug/l	ND	05/01/08	LBD	1.0		
Chlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Chlorodibromomethane	ug/l	ND	05/01/08	LBD	0.5		
Chloroethane	ug/l	ND	05/01/08	LBD	2.0		
Chloroform	ug/l	ND	05/01/08	LBD	2.0		
Chloromethane	ug/l	ND	05/01/08	LBD	2.0		
2-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
4-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dibromo-3-Chloropropane	ug/l	ND	05/01/08	LBD	5.0		
1,2-Dibromoethane	ug/l	ND	05/01/08	LBD	0.50		
Dibromomethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,4-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Dichlorodifluoromethane	ug/l	ND	05/01/08	LBD	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 9 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID: 08B14952

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
cis-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
trans-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichloropropane	ug/l	ND	05/01/08	LBD	0.5		
2,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloropropene	ug/l	ND	05/01/08	LBD	2.0		
cis-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
trans-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
Diethyl Ether	ug/l	ND	05/01/08	LBD	2.0		
Diisopropyl Ether	ug/l	ND	05/01/08	LBD	0.5		
1,4-Dioxane	ug/l	ND	05/01/08	LBD	50.0		
Ethyl Benzene	ug/l	ND	05/01/08	LBD	1.0		
Hexachlorobutadiene	ug/l	ND	05/01/08	LBD	1.0		
2-Hexanone	ug/l	ND	05/01/08	LBD	10.0		
Isopropylbenzene	ug/l	ND	05/01/08	LBD	1.0		
p-Isopropyltoluene	ug/l	ND	05/01/08	LBD	1.0		
MTBE	ug/l	ND	05/01/08	LBD	1.0		
Methylene Chloride	ug/l	ND	05/01/08	LBD	5.0		
MIBK	ug/l	ND	05/01/08	LBD	10.0		
Naphthalene	ug/l	ND	05/01/08	LBD	2.0		
n-Propylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Styrene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	0.5		
Tetrachloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Tetrahydrofuran	ug/l	ND	05/01/08	LBD	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 10 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14952 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	ND	05/01/08	LBD	1.0		
1,2,3-Trichlorobenzene	ug/l	ND	05/01/08	LBD	5.0		
1,2,4-Trichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
Trichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Trichlorofluoromethane	ug/l	ND	05/01/08	LBD	2.0		
1,2,3-Trichloropropane	ug/l	ND	05/01/08	LBD	2.0		
1,2,4-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3,5-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Vinyl Chloride	ug/l	ND	05/01/08	LBD	2.0		
m + p Xylene	ug/l	ND	05/01/08	LBD	2.0		
o-Xylene	ug/l	ND	05/01/08	LBD	1.0		

Analytical Method:
SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 11 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2 QC

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14953 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/l	ND	05/01/08	LBD	50.0		
tert-Amyl methyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Benzene	ug/l	ND	05/01/08	LBD	1.0		
Bromobenzene	ug/l	ND	05/01/08	LBD	1.0		
Bromochloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromodichloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromoform	ug/l	ND	05/01/08	LBD	1.0		
Bromomethane	ug/l	ND	05/01/08	LBD	5.0		
2-Butanone (MEK)	ug/l	ND	05/01/08	LBD	20.0		
n-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
sec-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Carbon Disulfide	ug/l	ND	05/01/08	LBD	3.0		
Carbon Tetrachloride	ug/l	ND	05/01/08	LBD	1.0		
Chlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Chlorodibromomethane	ug/l	ND	05/01/08	LBD	0.5		
Chloroethane	ug/l	ND	05/01/08	LBD	2.0		
Chloroform	ug/l	ND	05/01/08	LBD	2.0		
Chloromethane	ug/l	ND	05/01/08	LBD	2.0		
2-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
4-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dibromo-3-Chloropropane	ug/l	ND	05/01/08	LBD	5.0		
1,2-Dibromoethane	ug/l	ND	05/01/08	LBD	0.50		
Dibromomethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,4-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Dichlorodifluoromethane	ug/l	ND	05/01/08	LBD	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 12 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2 QC

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: 08B14953 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
cis-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
trans-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichloropropane	ug/l	ND	05/01/08	LBD	0.5		
2,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloropropene	ug/l	ND	05/01/08	LBD	2.0		
cis-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
trans-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
Diethyl Ether	ug/l	ND	05/01/08	LBD	2.0		
Diisopropyl Ether	ug/l	ND	05/01/08	LBD	0.5		
1,4-Dioxane	ug/l	ND	05/01/08	LBD	50.0		
Ethyl Benzene	ug/l	ND	05/01/08	LBD	1.0		
Hexachlorobutadiene	ug/l	ND	05/01/08	LBD	1.0		
2-Hexanone	ug/l	ND	05/01/08	LBD	10.0		
Isopropylbenzene	ug/l	ND	05/01/08	LBD	1.0		
p-Isopropyltoluene	ug/l	ND	05/01/08	LBD	1.0		
MTBE	ug/l	ND	05/01/08	LBD	1.0		
Methylene Chloride	ug/l	ND	05/01/08	LBD	5.0		
MIBK	ug/l	ND	05/01/08	LBD	10.0		
Naphthalene	ug/l	ND	05/01/08	LBD	2.0		
n-Propylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Styrene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	0.5		
Tetrachloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Tetrahydrofuran	ug/l	ND	05/01/08	LBD	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/9/2008

Page 13 of 45

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-2 QC

Sample ID : 08B14953

‡Sampled : 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	ND	05/01/08	LBD	1.0		
1,2,3-Trichlorobenzene	ug/l	ND	05/01/08	LBD	5.0		
1,2,4-Trichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
Trichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Trichlorofluoromethane	ug/l	ND	05/01/08	LBD	2.0		
1,2,3-Trichloropropane	ug/l	ND	05/01/08	LBD	2.0		
1,2,4-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3,5-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Vinyl Chloride	ug/l	ND	05/01/08	LBD	2.0		
m + p Xylene	ug/l	ND	05/01/08	LBD	2.0		
o-Xylene	ug/l	ND	05/01/08	LBD	1.0		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 14 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-3

Sample ID: 08B14954

‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acetone	ug/l	ND	05/01/08	LBD	50.0		
tert-Amylmethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Benzene	ug/l	ND	05/01/08	LBD	1.0		
Bromobenzene	ug/l	ND	05/01/08	LBD	1.0		
Bromochloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromodichloromethane	ug/l	ND	05/01/08	LBD	1.0		
Bromoform	ug/l	ND	05/01/08	LBD	1.0		
Bromomethane	ug/l	ND	05/01/08	LBD	5.0		
2-Butanone (MEK)	ug/l	ND	05/01/08	LBD	20.0		
n-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
sec-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0		
tert-Butylethyl Ether	ug/l	ND	05/01/08	LBD	0.5		
Carbon Disulfide	ug/l	ND	05/01/08	LBD	3.0		
Carbon Tetrachloride	ug/l	ND	05/01/08	LBD	1.0		
Chlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Chlorodibromomethane	ug/l	ND	05/01/08	LBD	0.5		
Chloroethane	ug/l	ND	05/01/08	LBD	2.0		
Chloroform	ug/l	ND	05/01/08	LBD	2.0		
Chloromethane	ug/l	ND	05/01/08	LBD	2.0		
2-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
4-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dibromo-3-Chloropropane	ug/l	ND	05/01/08	LBD	5.0		
1,2-Dibromoethane	ug/l	ND	05/01/08	LBD	0.50		
Dibromomethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,4-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
Dichlorodifluoromethane	ug/l	ND	05/01/08	LBD	2.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 15 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14954 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
cis-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
trans-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichloropropane	ug/l	ND	05/01/08	LBD	0.5		
2,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloropropene	ug/l	ND	05/01/08	LBD	2.0		
cis-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
trans-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
Diethyl Ether	ug/l	ND	05/01/08	LBD	2.0		
Diisopropyl Ether	ug/l	ND	05/01/08	LBD	0.5		
1,4-Dioxane	ug/l	ND	05/01/08	LBD	50.0		
Ethyl Benzene	ug/l	ND	05/01/08	LBD	1.0		
Hexachlorobutadiene	ug/l	ND	05/01/08	LBD	1.0		
2-Hexanone	ug/l	ND	05/01/08	LBD	10.0		
Isopropylbenzene	ug/l	ND	05/01/08	LBD	1.0		
p-Isopropyltoluene	ug/l	ND	05/01/08	LBD	1.0		
MTBE	ug/l	ND	05/01/08	LBD	1.0		
Methylene Chloride	ug/l	ND	05/01/08	LBD	5.0		
MIBK	ug/l	ND	05/01/08	LBD	10.0		
Naphthalene	ug/l	ND	05/01/08	LBD	2.0		
n-Propylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Styrene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	0.5		
Tetrachloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Tetrahydrofuran	ug/l	ND	05/01/08	LBD	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 16 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14954 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	ND	05/01/08	LBD	1.0		
1,2,3-Trichlorobenzene	ug/l	ND	05/01/08	LBD	5.0		
1,2,4-Trichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
Trichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Trichlorofluoromethane	ug/l	ND	05/01/08	LBD	2.0		
1,2,3-Trichloropropane	ug/l	ND	05/01/08	LBD	2.0		
1,2,4-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3,5-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Vinyl Chloride	ug/l	ND	05/01/08	LBD	2.0		
m + p Xylene	ug/l	ND	05/01/08	LBD	2.0		
o-Xylene	ug/l	ND	05/01/08	LBD	1.0		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 17 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: TRIP BLANK

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: 08B14951 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	05/01/08	LBD	50.0			
tert-Amylmethyl Ether	ug/l	ND	05/01/08	LBD	0.5			
Benzene	ug/l	ND	05/01/08	LBD	1.0			
Bromobenzene	ug/l	ND	05/01/08	LBD	1.0			
Bromochloromethane	ug/l	ND	05/01/08	LBD	1.0			
Bromodichloromethane	ug/l	ND	05/01/08	LBD	1.0			
Bromoform	ug/l	ND	05/01/08	LBD	1.0			
Bromomethane	ug/l	ND	05/01/08	LBD	5.0			
2-Butanone (MEK)	ug/l	ND	05/01/08	LBD	20.0			
n-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0			
sec-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0			
tert-Butylbenzene	ug/l	ND	05/01/08	LBD	1.0			
tert-Butylethyl Ether	ug/l	ND	05/01/08	LBD	0.5			
Carbon Disulfide	ug/l	ND	05/01/08	LBD	3.0			
Carbon Tetrachloride	ug/l	ND	05/01/08	LBD	1.0			
Chlorobenzene	ug/l	ND	05/01/08	LBD	1.0			
Chlorodibromomethane	ug/l	ND	05/01/08	LBD	0.5			
Chloroethane	ug/l	ND	05/01/08	LBD	2.0			
Chloroform	ug/l	ND	05/01/08	LBD	2.0			
Chloromethane	ug/l	ND	05/01/08	LBD	2.0			
2-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0			
4-Chlorotoluene	ug/l	ND	05/01/08	LBD	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	05/01/08	LBD	5.0			
1,2-Dibromoethane	ug/l	ND	05/01/08	LBD	0.50			
Dibromomethane	ug/l	ND	05/01/08	LBD	1.0			
1,2-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0			
1,3-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0			
1,4-Dichlorobenzene	ug/l	ND	05/01/08	LBD	1.0			
Dichlorodifluoromethane	ug/l	ND	05/01/08	LBD	2.0			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 18 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: TRIP BLANK

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14951 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
1,1-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
cis-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
trans-1,2-Dichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
1,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,3-Dichloropropane	ug/l	ND	05/01/08	LBD	0.5		
2,2-Dichloropropane	ug/l	ND	05/01/08	LBD	1.0		
1,1-Dichloropropene	ug/l	ND	05/01/08	LBD	2.0		
cis-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
trans-1,3-Dichloropropene	ug/l	ND	05/01/08	LBD	0.5		
Diethyl Ether	ug/l	ND	05/01/08	LBD	2.0		
Diisopropyl Ether	ug/l	ND	05/01/08	LBD	0.5		
1,4-Dioxane	ug/l	ND	05/01/08	LBD	50.0		
Ethyl Benzene	ug/l	ND	05/01/08	LBD	1.0		
Hexachlorobutadiene	ug/l	ND	05/01/08	LBD	1.0		
2-Hexanone	ug/l	ND	05/01/08	LBD	10.0		
Isopropylbenzene	ug/l	ND	05/01/08	LBD	1.0		
p-Isopropyltoluene	ug/l	ND	05/01/08	LBD	1.0		
MTBE	ug/l	ND	05/01/08	LBD	1.0		
Methylene Chloride	ug/l	ND	05/01/08	LBD	5.0		
MIBK	ug/l	ND	05/01/08	LBD	10.0		
Naphthalene	ug/l	ND	05/01/08	LBD	2.0		
n-Propylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Styrene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2,2-Tetrachloroethane	ug/l	ND	05/01/08	LBD	0.5		
Tetrachloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Tetrahydrofuran	ug/l	ND	05/01/08	LBD	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 19 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: TRIP BLANK

Sample ID: 08B14951

‡Sampled: 4/25/2008
Not Specified

Sample Matrix: WATER OTHER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Toluene	ug/l	ND	05/01/08	LBD	1.0		
1,2,3-Trichlorobenzene	ug/l	ND	05/01/08	LBD	5.0		
1,2,4-Trichlorobenzene	ug/l	ND	05/01/08	LBD	1.0		
1,1,1-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
1,1,2-Trichloroethane	ug/l	ND	05/01/08	LBD	1.0		
Trichloroethylene	ug/l	ND	05/01/08	LBD	1.0		
Trichlorofluoromethane	ug/l	ND	05/01/08	LBD	2.0		
1,2,3-Trichloropropane	ug/l	ND	05/01/08	LBD	2.0		
1,2,4-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
1,3,5-Trimethylbenzene	ug/l	ND	05/01/08	LBD	1.0		
Vinyl Chloride	ug/l	ND	05/01/08	LBD	2.0		
m + p Xylene	ug/l	ND	05/01/08	LBD	2.0		
o-Xylene	ug/l	ND	05/01/08	LBD	1.0		

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR 1,4-DIOXANE AND TERT-BUTYLALCOHOL ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 20 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	ug/l	ND	05/05/08	BGL	5.00		
Acenaphthylene	ug/l	ND	05/05/08	BGL	5.00		
Acetophenone	ug/l	ND	05/05/08	BGL	10.0		
Aniline	ug/l	ND	05/05/08	BGL	5.00		
Anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(b)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(g,h,i)perylene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(k)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Bis(2-chloroethoxy)methane	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroethyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroisopropyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-ethylhexyl)phthalate	ug/l	ND	05/05/08	BGL	10.0		
4-Bromophenyl phenyl ether	ug/l	ND	05/05/08	BGL	10.0		
Butylbenzylphthalate	ug/l	ND	05/05/08	BGL	20.0		
4-Chloroaniline	ug/l	ND	05/05/08	BGL	20.0		
2-Chloronaphthalene	ug/l	ND	05/05/08	BGL	10.0		
2-Chlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Chrysene	ug/l	ND	05/05/08	BGL	5.00		
Dibenzofuran	ug/l	ND	05/05/08	BGL	10.0		
Dibenz(a,h)anthracene	ug/l	ND	05/05/08	BGL	5.00		
1,2-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,3-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,4-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
3,3-Dichlorobenzidine	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Diethylphthalate	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dimethylphenol	ug/l	ND	05/05/08	BGL	40.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 21 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Dimethylphthalate	ug/l	ND	05/05/08	BGL	20.0		
Di-n-butylphthalate	ug/l	ND	05/05/08	BGL	10.0		
Di-n-octylphthalate	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrophenol	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
2,6-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	05/05/08	BGL	10.0		
Fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Fluorene	ug/l	ND	05/05/08	BGL	5.00		
Hexachlorobenzene	ug/l	ND	05/05/08	BGL	10.0		
Hexachlorobutadiene	ug/l	ND	05/05/08	BGL	10.0		
Hexachloroethane	ug/l	ND	05/05/08	BGL	10.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Isophorone	ug/l	ND	05/05/08	BGL	10.0		
o-cresol	ug/l	ND	05/05/08	BGL	10.0		
m & p-Cresol(s)	ug/l	ND	05/05/08	BGL	20.0		
2-Methylnaphthalene	ug/l	ND	05/05/08	BGL	5.00		
Naphthalene	ug/l	ND	05/05/08	BGL	5.00		
Nitrobenzene	ug/l	ND	05/05/08	BGL	10.0		
2-Nitrophenol	ug/l	ND	05/05/08	BGL	10.0		
4-Nitrophenol	ug/l	ND	05/05/08	BGL	20.0		
Pentachlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Phenanthrene	ug/l	ND	05/05/08	BGL	5.00		
Phenol	ug/l	ND	05/05/08	BGL	10.0		
Pyrene	ug/l	ND	05/05/08	BGL	5.00		
1,2,4-Trichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
2,4,5-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
2,4,6-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 22 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 625/8270	5/1/2008	05/05/08	BGL			

Analytical Method:
SW846 8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD 3510 C, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 23 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14952 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Acenaphthene	ug/l	ND	05/05/08	BGL	5.00		
Acenaphthylene	ug/l	ND	05/05/08	BGL	5.00		
Acetophenone	ug/l	ND	05/05/08	BGL	10.0		
Aniline	ug/l	ND	05/05/08	BGL	5.00		
Anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(b)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(g,h,i)perylene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(k)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Bis(2-chloroethoxy)methane	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroethyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroisopropyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-ethylhexyl)phthalate	ug/l	ND	05/05/08	BGL	10.0		
4-Bromophenyl phenyl ether	ug/l	ND	05/05/08	BGL	10.0		
Butylbenzylphthalate	ug/l	ND	05/05/08	BGL	20.0		
4-Chloroaniline	ug/l	ND	05/05/08	BGL	20.0		
2-Chloronaphthalene	ug/l	ND	05/05/08	BGL	10.0		
2-Chlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Chrysene	ug/l	ND	05/05/08	BGL	5.00		
Dibenzofuran	ug/l	ND	05/05/08	BGL	10.0		
Dibenz(a,h)anthracene	ug/l	ND	05/05/08	BGL	5.00		
1,2-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,3-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,4-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
3,3-Dichlorobenzidine	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Diethylphthalate	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dimethylphenol	ug/l	ND	05/05/08	BGL	40.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 24 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID : 08B14952

‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P / F
Dimethylphthalate	ug/l	ND	05/05/08	BGL	20.0		
Di-n-butylphthalate	ug/l	ND	05/05/08	BGL	10.0		
Di-n-octylphthalate	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrophenol	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
2,6-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	05/05/08	BGL	10.0		
Fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Fluorene	ug/l	ND	05/05/08	BGL	5.00		
Hexachlorobenzene	ug/l	ND	05/05/08	BGL	10.0		
Hexachlorobutadiene	ug/l	ND	05/05/08	BGL	10.0		
Hexachloroethane	ug/l	ND	05/05/08	BGL	10.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Isophorone	ug/l	ND	05/05/08	BGL	10.0		
o-cresol	ug/l	ND	05/05/08	BGL	10.0		
m & p-Cresol(s)	ug/l	ND	05/05/08	BGL	20.0		
2-Methylnaphthalene	ug/l	ND	05/05/08	BGL	5.00		
Naphthalene	ug/l	ND	05/05/08	BGL	5.00		
Nitrobenzene	ug/l	ND	05/05/08	BGL	10.0		
2-Nitrophenol	ug/l	ND	05/05/08	BGL	10.0		
4-Nitrophenol	ug/l	ND	05/05/08	BGL	20.0		
Pentachlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Phenanthrene	ug/l	ND	05/05/08	BGL	5.00		
Phenol	ug/l	ND	05/05/08	BGL	10.0		
Pyrene	ug/l	ND	05/05/08	BGL	5.00		
1,2,4-Trichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
2,4,5-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
2,4,6-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 25 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID : 08B14952

‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 625/8270	5/1/2008	05/05/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD 3510 C, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 26 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2 QC

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: *08B14953 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	ug/l	ND	05/05/08	BGL	5.00		
Acenaphthylene	ug/l	ND	05/05/08	BGL	5.00		
Acetophenone	ug/l	ND	05/05/08	BGL	10.0		
Aniline	ug/l	ND	05/05/08	BGL	5.00		
Anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(b)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(g,h,i)perylene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(k)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Bis(2-chloroethoxy)methane	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroethyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroisopropyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-ethylhexyl)phthalate	ug/l	ND	05/05/08	BGL	10.0		
4-Bromophenyl phenyl ether	ug/l	ND	05/05/08	BGL	10.0		
Butylbenzylphthalate	ug/l	ND	05/05/08	BGL	20.0		
4-Chloroaniline	ug/l	ND	05/05/08	BGL	20.0		
2-Chloronaphthalene	ug/l	ND	05/05/08	BGL	10.0		
2-Chlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Chrysene	ug/l	ND	05/05/08	BGL	5.00		
Dibenzofuran	ug/l	ND	05/05/08	BGL	10.0		
Dibenz(a,h)anthracene	ug/l	ND	05/05/08	BGL	5.00		
1,2-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,3-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,4-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
3,3-Dichlorobenzidine	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Diethylphthalate	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dimethylphenol	ug/l	ND	05/05/08	BGL	40.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 27 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2 QC

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: *08B14953 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	ug/l	ND	05/05/08	BGL	20.0		
Di-n-butylphthalate	ug/l	ND	05/05/08	BGL	10.0		
Di-n-octylphthalate	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrophenol	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
2,6-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	05/05/08	BGL	10.0		
Fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Fluorene	ug/l	ND	05/05/08	BGL	5.00		
Hexachlorobenzene	ug/l	ND	05/05/08	BGL	10.0		
Hexachlorobutadiene	ug/l	ND	05/05/08	BGL	10.0		
Hexachloroethane	ug/l	ND	05/05/08	BGL	10.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Isophorone	ug/l	ND	05/05/08	BGL	10.0		
o-cresol	ug/l	ND	05/05/08	BGL	10.0		
m & p-Cresol(s)	ug/l	ND	05/05/08	BGL	20.0		
2-Methylnaphthalene	ug/l	ND	05/05/08	BGL	5.00		
Naphthalene	ug/l	ND	05/05/08	BGL	5.00		
Nitrobenzene	ug/l	ND	05/05/08	BGL	10.0		
2-Nitrophenol	ug/l	ND	05/05/08	BGL	10.0		
4-Nitrophenol	ug/l	ND	05/05/08	BGL	20.0		
Pentachlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Phenanthrene	ug/l	ND	05/05/08	BGL	5.00		
Phenol	ug/l	ND	05/05/08	BGL	10.0		
Pyrene	ug/l	ND	05/05/08	BGL	5.00		
1,2,4-Trichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
2,4,5-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
2,4,6-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/9/2008

Page 28 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-2 QC

Sample ID: *08B14953

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 625/8270	5/1/2008	05/05/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD 3510 C, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 29 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14954

‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Acenaphthene	ug/l	ND	05/05/08	BGL	5.00		
Acenaphthylene	ug/l	ND	05/05/08	BGL	5.00		
Acetophenone	ug/l	ND	05/05/08	BGL	10.0		
Aniline	ug/l	ND	05/05/08	BGL	5.00		
Anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)anthracene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(a)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(b)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(g,h,i)perylene	ug/l	ND	05/05/08	BGL	5.00		
Benzo(k)fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Bis(2-chloroethoxy)methane	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroethyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-chloroisopropyl)ether	ug/l	ND	05/05/08	BGL	10.0		
Bis(2-ethylhexyl)phthalate	ug/l	ND	05/05/08	BGL	10.0		
4-Bromophenyl phenyl ether	ug/l	ND	05/05/08	BGL	10.0		
Butylbenzylphthalate	ug/l	ND	05/05/08	BGL	20.0		
4-Chloroaniline	ug/l	ND	05/05/08	BGL	20.0		
2-Chloronaphthalene	ug/l	ND	05/05/08	BGL	10.0		
2-Chlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Chrysene	ug/l	ND	05/05/08	BGL	5.00		
Dibenzofuran	ug/l	ND	05/05/08	BGL	10.0		
Dibenz(a,h)anthracene	ug/l	ND	05/05/08	BGL	5.00		
1,2-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,3-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
1,4-Dichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
3,3-Dichlorobenzidine	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Diethylphthalate	ug/l	ND	05/05/08	BGL	10.0		
2,4-Dimethylphenol	ug/l	ND	05/05/08	BGL	40.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 30 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14954 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Dimethylphthalate	ug/l	ND	05/05/08	BGL	20.0		
Di-n-butylphthalate	ug/l	ND	05/05/08	BGL	10.0		
Di-n-octylphthalate	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrophenol	ug/l	ND	05/05/08	BGL	20.0		
2,4-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
2,6-Dinitrotoluene	ug/l	ND	05/05/08	BGL	10.0		
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	05/05/08	BGL	10.0		
Fluoranthene	ug/l	ND	05/05/08	BGL	5.00		
Fluorene	ug/l	ND	05/05/08	BGL	5.00		
Hexachlorobenzene	ug/l	ND	05/05/08	BGL	10.0		
Hexachlorobutadiene	ug/l	ND	05/05/08	BGL	10.0		
Hexachloroethane	ug/l	ND	05/05/08	BGL	10.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/05/08	BGL	5.00		
Isophorone	ug/l	ND	05/05/08	BGL	10.0		
o-cresol	ug/l	ND	05/05/08	BGL	10.0		
m & p-Cresol(s)	ug/l	ND	05/05/08	BGL	20.0		
2-Methylnaphthalene	ug/l	ND	05/05/08	BGL	5.00		
Naphthalene	ug/l	ND	05/05/08	BGL	5.00		
Nitrobenzene	ug/l	ND	05/05/08	BGL	10.0		
2-Nitrophenol	ug/l	ND	05/05/08	BGL	10.0		
4-Nitrophenol	ug/l	ND	05/05/08	BGL	20.0		
Pentachlorophenol	ug/l	ND	05/05/08	BGL	10.0		
Phenanthrene	ug/l	ND	05/05/08	BGL	5.00		
Phenol	ug/l	ND	05/05/08	BGL	10.0		
Pyrene	ug/l	ND	05/05/08	BGL	5.00		
1,2,4-Trichlorobenzene	ug/l	ND	05/05/08	BGL	5.00		
2,4,5-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		
2,4,6-Trichlorophenol	ug/l	ND	05/05/08	BGL	10.0		

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

5/9/2008

Page 31 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-3

Sample ID: 08B14954

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Extraction Date 625/8270	5/1/2008	05/05/08	BGL			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION METHOD 3510 C, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS. REPORTED RESULTS AND REPORTING LIMITS FOR BENZOIC ACID AND PENTACHLORONITROBENZENE ARE ESTIMATED SINCE RESPONSE FACTORS FOR THESE COMPOUNDS ARE BELOW METHOD SPECIFICATIONS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 32 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: DUP-1

Sample ID: 08B14950

‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	05/02/08	CJM	150		
C19-C36 Aliphatics	ug/l	ND	05/02/08	CJM	150		
Unadjusted C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
Acenaphthene	ug/l	ND	05/02/08	CJM	2.0		
Acenaphthylene	ug/l	ND	05/02/08	CJM	2.0		
Anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)pyrene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(b)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(g,h,i)perylene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(k)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Chrysene	ug/l	ND	05/02/08	CJM	2.0		
Dibenzo(a,h)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Fluorene	ug/l	ND	05/02/08	CJM	2.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/02/08	CJM	2.0		
2-Methylnaphthalene	ug/l	ND	05/02/08	CJM	2.0		
Naphthalene	ug/l	ND	05/02/08	CJM	2.0		
Phenanthrene	ug/l	ND	05/02/08	CJM	2.0		
Pyrene	ug/l	ND	05/02/08	CJM	2.0		
Date Extracted EPH Water		4/30/2008	05/02/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 33 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE PRESERVED TO pH < 2.0 WITH HYDROCHLORIC ACID (HCL).
SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE ACCORDING TO SW846 3510C, EXCHANGED INTO
HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS
BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22
AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND
C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND
CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM
THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or
regulatory level for comparison with data to
determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 34 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Sample ID: 08B14947

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	05/02/08	CJM	150		
C19-C36 Aliphatics	ug/l	ND	05/02/08	CJM	150		
Unadjusted C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
Acenaphthene	ug/l	ND	05/02/08	CJM	2.0		
Acenaphthylene	ug/l	ND	05/02/08	CJM	2.0		
Anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)pyrene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(b)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(g,h,i)perylene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(k)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Chrysene	ug/l	ND	05/02/08	CJM	2.0		
Dibenzo(a,h)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Fluorene	ug/l	ND	05/02/08	CJM	2.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/02/08	CJM	2.0		
2-Methylnaphthalene	ug/l	ND	05/02/08	CJM	2.0		
Naphthalene	ug/l	ND	05/02/08	CJM	2.0		
Phenanthrene	ug/l	ND	05/02/08	CJM	2.0		
Pyrene	ug/l	ND	05/02/08	CJM	2.0		
Date Extracted EPH Water		4/30/2008	05/02/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/9/2008

Page 35 of 45

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-1

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE PRESERVED TO pH < 2.0 WITH HYDROCHLORIC ACID (HCL).

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE ACCORDING TO SW846 3510C, EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 36 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-2

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: 08B14948 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
C9-C18 Aliphatics	ug/l	ND	05/02/08	CJM	150			
C19-C36 Aliphatics	ug/l	ND	05/02/08	CJM	150			
Unadjusted C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100			
C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100			
Acenaphthene	ug/l	ND	05/02/08	CJM	2.0			
Acenaphthylene	ug/l	ND	05/02/08	CJM	2.0			
Anthracene	ug/l	ND	05/02/08	CJM	2.0			
Benzo(a)anthracene	ug/l	ND	05/02/08	CJM	2.0			
Benzo(a)pyrene	ug/l	ND	05/02/08	CJM	2.0			
Benzo(b)fluoranthene	ug/l	ND	05/02/08	CJM	2.0			
Benzo(g,h,i)perylene	ug/l	ND	05/02/08	CJM	2.0			
Benzo(k)fluoranthene	ug/l	ND	05/02/08	CJM	2.0			
Chrysene	ug/l	ND	05/02/08	CJM	2.0			
Dibenzo(a,h)anthracene	ug/l	ND	05/02/08	CJM	2.0			
Fluoranthene	ug/l	ND	05/02/08	CJM	2.0			
Fluorene	ug/l	ND	05/02/08	CJM	2.0			
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/02/08	CJM	2.0			
2-Methylnaphthalene	ug/l	ND	05/02/08	CJM	2.0			
Naphthalene	ug/l	ND	05/02/08	CJM	2.0			
Phenanthrene	ug/l	ND	05/02/08	CJM	2.0			
Pyrene	ug/l	ND	05/02/08	CJM	2.0			
Date Extracted EPH Water		4/30/2008	05/02/08	CJM				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/9/2008

Page 37 of 45

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-2

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE PRESERVED TO pH < 2.0 WITH HYDROCHLORIC ACID (HCL).

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE ACCORDING TO SW846 3510C, EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 38 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-3

Sample ID: 08B14949

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
C9-C18 Aliphatics	ug/l	ND	05/02/08	CJM	150		
C19-C36 Aliphatics	ug/l	ND	05/02/08	CJM	150		
Unadjusted C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
C11-C22 Aromatics	ug/l	ND	05/02/08	CJM	100		
Acenaphthene	ug/l	ND	05/02/08	CJM	2.0		
Acenaphthylene	ug/l	ND	05/02/08	CJM	2.0		
Anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(a)pyrene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(b)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(g,h,i)perylene	ug/l	ND	05/02/08	CJM	2.0		
Benzo(k)fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Chrysene	ug/l	ND	05/02/08	CJM	2.0		
Dibenzo(a,h)anthracene	ug/l	ND	05/02/08	CJM	2.0		
Fluoranthene	ug/l	ND	05/02/08	CJM	2.0		
Fluorene	ug/l	ND	05/02/08	CJM	2.0		
Indeno(1,2,3-cd)pyrene	ug/l	ND	05/02/08	CJM	2.0		
2-Methylnaphthalene	ug/l	ND	05/02/08	CJM	2.0		
Naphthalene	ug/l	ND	05/02/08	CJM	2.0		
Phenanthrene	ug/l	ND	05/02/08	CJM	2.0		
Pyrene	ug/l	ND	05/02/08	CJM	2.0		
Date Extracted EPH Water		4/30/2008	05/02/08	CJM			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES

TRC SOLUTIONS - LOWELL

650 SUFFOLK STREET

LOWELL, MA 01852

Purchase Order No.:

5/9/2008

Page 39 of 45

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-3

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE PRESERVED TO pH < 2.0 WITH HYDROCHLORIC ACID (HCL).

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE ACCORDING TO SW846 3510C, EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 40 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: DUP-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14955 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	04/30/08	MTM	0.00010		

Field Sample #: MW-1

Sample ID : 08B14952 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	04/30/08	MTM	0.00010		

Field Sample #: MW-2 QC

Sample ID : 08B14953 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	04/30/08	MTM	0.00010		

Field Sample #: MW-3

Sample ID : 08B14954 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Mercury	mg/l	ND	04/30/08	MTM	0.00010		

Analytical Method:
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 41 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: DUP-1

Sample ID: 08B14950

‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
Unadjusted C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C10 Aromatics	ug/l	ND	05/05/08	EH	100		
Benzene	ug/l	ND	05/05/08	EH	1.0		
Ethyl Benzene	ug/l	ND	05/05/08	EH	1.0		
MTBE	ug/l	ND	05/05/08	EH	1.0		
Naphthalene	ug/l	ND	05/05/08	EH	10.0		
Toluene	ug/l	ND	05/05/08	EH	1.0		
m/p-Xylene	ug/l	ND	05/05/08	EH	2.0		
o-Xylene	ug/l	ND	05/05/08	EH	1.0		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 42 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-1

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID : 08B14947 ‡Sampled : 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
Unadjusted C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C10 Aromatics	ug/l	ND	05/05/08	EH	100		
Benzene	ug/l	ND	05/05/08	EH	1.0		
Ethyl Benzene	ug/l	ND	05/05/08	EH	1.0		
MTBE	ug/l	ND	05/05/08	EH	1.0		
Naphthalene	ug/l	ND	05/05/08	EH	10.0		
Toluene	ug/l	ND	05/05/08	EH	1.0		
m/p-Xylene	ug/l	ND	05/05/08	EH	2.0		
o-Xylene	ug/l	ND	05/05/08	EH	1.0		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 43 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.

LIMS-BAT #: LIMIT-15505

Date Received: 4/25/2008

Job Number: 114605-000010-

Field Sample #: MW-2

Sample ID: 08B14948

‡Sampled: 4/25/2008

Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
Unadjusted C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C10 Aromatics	ug/l	ND	05/05/08	EH	100		
Benzene	ug/l	ND	05/05/08	EH	1.0		
Ethyl Benzene	ug/l	ND	05/05/08	EH	1.0		
MTBE	ug/l	ND	05/05/08	EH	1.0		
Naphthalene	ug/l	ND	05/05/08	EH	10.0		
Toluene	ug/l	ND	05/05/08	EH	1.0		
m/p-Xylene	ug/l	ND	05/05/08	EH	2.0		
o-Xylene	ug/l	ND	05/05/08	EH	1.0		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 44 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008
Field Sample #: MW-3

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

Sample ID: 08B14949 ‡Sampled: 4/25/2008
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
C5-C8 Aliphatics	ug/l	ND	05/05/08	EH	100		
Unadjusted C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C12 Aliphatics	ug/l	ND	05/05/08	EH	100		
C9-C10 Aromatics	ug/l	ND	05/05/08	EH	100		
Benzene	ug/l	ND	05/05/08	EH	1.0		
Ethyl Benzene	ug/l	ND	05/05/08	EH	1.0		
MTBE	ug/l	ND	05/05/08	EH	1.0		
Naphthalene	ug/l	ND	05/05/08	EH	10.0		
Toluene	ug/l	ND	05/05/08	EH	1.0		
m/p-Xylene	ug/l	ND	05/05/08	EH	2.0		
o-Xylene	ug/l	ND	05/05/08	EH	1.0		

Analytical Method:

MADEP-VPH-04-1.1

SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFORMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

RYAN NILES
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

5/9/2008
Page 45 of 45

Purchase Order No.:

Project Location: 29 ELM STREET, SALISBURY, MA.
Date Received: 4/25/2008

LIMS-BAT #: LIMIT-15505
Job Number: 114605-000010-

The following notes were attached to the reported analysis :

Sample ID: * 08B14953

Analysis: Aniline

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 08B14953

Analysis: 3,3-Dichlorobenzidine

MATRIX SPIKE DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT FOR THIS COMPOUND IN THIS SAMPLE.

Sample ID: * 08B14953

Analysis: 2,4-Dimethylphenol

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 08B14953

Analysis: 4-Nitrophenol

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED.

Sample ID: * 08B14953

Analysis: Phenol

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 1 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14947	2-Fluorobiphenyl	Surrogate Recovery	113.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	114.8	%	40-140
	Chlorooctadecane	Sur. Recovery	70.2	%	40-140
	Terphenyl	Sur. Recovery	117.9	%	40-140
08B14948	2-Fluorobiphenyl	Surrogate Recovery	112.5	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	114.1	%	40-140
	Chlorooctadecane	Sur. Recovery	74.7	%	40-140
	Terphenyl	Sur. Recovery	125.7	%	40-140
08B14949	2-Fluorobiphenyl	Surrogate Recovery	118.4	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	119.4	%	40-140
	Chlorooctadecane	Sur. Recovery	94.7	%	40-140
	Terphenyl	Sur. Recovery	138.1	%	40-140
08B14950	2-Fluorobiphenyl	Surrogate Recovery	116.6	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	117.9	%	40-140
	Chlorooctadecane	Sur. Recovery	84.8	%	40-140
	Terphenyl	Sur. Recovery	130.7	%	40-140
BLANK-117116	Naphthalene	Blank	<2.0	ug/l	
	Acenaphthene	Blank	<2.0	ug/l	
	Acenaphthylene	Blank	<2.0	ug/l	
	Anthracene	Blank	<2.0	ug/l	
	Benzo(a)anthracene	Blank	<2.0	ug/l	
	Benzo(a)pyrene	Blank	<2.0	ug/l	
	Benzo(b)fluoranthene	Blank	<2.0	ug/l	
	Benzo(g,h,i)perylene	Blank	<2.0	ug/l	
	Chrysene	Blank	<2.0	ug/l	
	Dibenzo(a,h)anthracene	Blank	<2.0	ug/l	
	Fluoranthene	Blank	<2.0	ug/l	
	Fluorene	Blank	<2.0	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<2.0	ug/l	
	2-Methylnaphthalene	Blank	<2.0	ug/l	
	Phenanthrene	Blank	<2.0	ug/l	
	Pyrene	Blank	<2.0	ug/l	
	Benzo(k)fluoranthene	Blank	<2.0	ug/l	
	n-Nonane	Blank	<2.0	ug/l	
	Naphthalene Aliphatic Fraction	Blank	<2.0	ug/l	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<2.0	ug/l	
	Unadjusted C11-C22 Aromatics	Blank	<100.	ug/l	
	C9-C18 Aliphatics	Blank	<150.	ug/l	
	C19-C36 Aliphatics	Blank	<150.	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 2 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-117116	C11-C22 Aromatics	Blank	<100.	ug/l	
LFB LANK-78685	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	65.5	ug/l	
		Lab Fort Blk. % Rec.	65.5	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	61.7	ug/l	
		Dup Lab Fort Bl %Rec	61.7	%	40-140
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	63.6	%	
		LFB Duplicate RPD	5.9	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	82.4	ug/l	
		Lab Fort Blk. % Rec.	82.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	79.5	ug/l	
		Dup Lab Fort Bl %Rec	79.5	%	40-140
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	81.0	%	
		LFB Duplicate RPD	3.6	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	83.1	ug/l	
		Lab Fort Blk. % Rec.	83.1	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	79.9	ug/l	
		Dup Lab Fort Bl %Rec	79.9	%	40-140
		Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	81.5	%	
		LFB Duplicate RPD	3.9	%	0-25
	Anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.1	ug/l	
		Lab Fort Blk. % Rec.	92.1	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.4	ug/l	
		Dup Lab Fort Bl %Rec	92.4	%	40-140
		Lab Fort Blank Range	0.3	units	
		Lab Fort Bl. Av. Rec	92.2	%	
		LFB Duplicate RPD	0.3	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	90.8	ug/l	
		Lab Fort Blk. % Rec.	90.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	93.6	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 3 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78685	Benzo(a)anthracene	Dup Lab Fort Bl %Rec	93.6	%	40-140
		Lab Fort Blank Range	2.8	units	
		Lab Fort Bl. Av. Rec	92.2	%	
		LFB Duplicate RPD	3.0	%	0-25
	Benzo(a)pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.0	ug/l	
		Lab Fort Blk. % Rec.	92.0	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.2	ug/l	
		Dup Lab Fort Bl %Rec	95.2	%	40-140
		Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	93.6	%	
		LFB Duplicate RPD	3.4	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	90.3	ug/l	
		Lab Fort Blk. % Rec.	90.3	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.9	ug/l	
		Dup Lab Fort Bl %Rec	92.9	%	40-140
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	91.6	%	
		LFB Duplicate RPD	2.8	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	89.4	ug/l	
		Lab Fort Blk. % Rec.	89.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.4	ug/l	
		Dup Lab Fort Bl %Rec	92.4	%	40-140
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	90.9	%	
		LFB Duplicate RPD	3.2	%	0-25
	Chrysene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.7	ug/l	
		Lab Fort Blk. % Rec.	92.7	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.3	ug/l	
		Dup Lab Fort Bl %Rec	95.3	%	40-140
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	94.0	%	
		LFB Duplicate RPD	2.7	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	89.6	ug/l	
		Lab Fort Blk. % Rec.	89.6	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 4 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78685	Dibenzo(a,h)anthracene	Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.5	ug/l	
		Dup Lab Fort Bl %Rec	92.5	%	40-140
		Lab Fort Blank Range	2.9	units	
		Lab Fort Bl. Av. Rec	91.1	%	
		LFB Duplicate RPD	3.2	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	90.0	ug/l	
		Lab Fort Blk. % Rec.	90.0	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.4	ug/l	
		Dup Lab Fort Bl %Rec	92.4	%	40-140
	Fluorene	Lab Fort Blank Range	2.4	units	
		Lab Fort Bl. Av. Rec	91.2	%	
		LFB Duplicate RPD	2.7	%	0-25
		Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	86.4	ug/l	
		Lab Fort Blk. % Rec.	86.4	%	40-140
	Indeno(1,2,3-cd)pyrene	Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	84.4	ug/l	
		Dup Lab Fort Bl %Rec	84.4	%	40-140
		Lab Fort Blank Range	1.9	units	
		Lab Fort Bl. Av. Rec	85.4	%	
		LFB Duplicate RPD	2.3	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	84.4	ug/l	
		Lab Fort Blk. % Rec.	84.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	87.6	ug/l	
		Dup Lab Fort Bl %Rec	87.6	%	40-140
	Phenanthrene	Lab Fort Blank Range	3.1	units	
		Lab Fort Bl. Av. Rec	86.0	%	
		LFB Duplicate RPD	3.6	%	0-25
		Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	74.8	ug/l	
		Lab Fort Blk. % Rec.	74.8	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 5 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFB LANK-78685	Phenanthrene	Lab Fort Blk. Found	87.8	ug/l	
		Lab Fort Blk. % Rec.	87.8	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	87.5	ug/l	
		Dup Lab Fort Bl %Rec	87.5	%	40-140
		Lab Fort Blank Range	0.3	units	
		Lab Fort Bl. Av. Rec	87.6	%	
		LFB Duplicate RPD	0.3	%	0-25
	Pyrene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	93.4	ug/l	
		Lab Fort Blk. % Rec.	93.4	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	95.9	ug/l	
		Dup Lab Fort Bl %Rec	95.9	%	40-140
		Lab Fort Blank Range	2.4	units	
		Lab Fort Bl. Av. Rec	94.7	%	
		LFB Duplicate RPD	2.6	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	91.1	ug/l	
		Lab Fort Blk. % Rec.	91.1	%	40-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	93.8	ug/l	
		Dup Lab Fort Bl %Rec	93.8	%	40-140
		Lab Fort Blank Range	2.7	units	
		Lab Fort Bl. Av. Rec	92.5	%	
		LFB Duplicate RPD	2.9	%	0-25
	n-Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	28.1	ug/l	
		Lab Fort Blk. % Rec.	28.1	%	30-140
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	24.2	ug/l	
		Dup Lab Fort Bl %Rec	24.2	%	30-140
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	26.1	%	
		LFB Duplicate RPD	14.7	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	65.6	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	61.8	ug/l	
		Dup Lab Fort Bl. Fnd	0.0	ug/l	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 6 of 65

QC Batch Number: GC/FID-21090

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78685	2-Methylnaphthalene Aliphatic Fraction	Lab Fort Blank Amt.	74.8	ug/l	
		Lab Fort Blk. Found	0.0	ug/l	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort BI Amt.	70.2	ug/l	
		Dup Lab Fort BI. Fnd	0.0	ug/l	
		Dup Lab Fort BI %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort BI. Av. Rec	0.0	%	
	Unadjusted C11-C22 Aromatics	Lab Fort Blank Amt.	1700.0	ug/l	
		Lab Fort Blk. Found	1544.6	ug/l	
		Lab Fort Blk. % Rec.	90.8	%	40-140
		Dup Lab Fort BI Amt.	1700.0	ug/l	
		Dup Lab Fort BI. Fnd	1564.1	ug/l	
		Dup Lab Fort BI %Rec	92.0	%	40-140
		Lab Fort Blank Range	1.1	units	
		Lab Fort BI. Av. Rec	91.4	%	
	C9-C18 Aliphatics	LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	600.0	ug/l	
		Lab Fort Blk. Found	397.4	ug/l	
		Lab Fort Blk. % Rec.	66.2	%	40-140
		Dup Lab Fort BI Amt.	600.0	ug/l	
		Dup Lab Fort BI. Fnd	375.1	ug/l	
		Dup Lab Fort BI %Rec	62.5	%	40-140
		Lab Fort Blank Range	3.7	units	
	C19-C36 Aliphatics	Lab Fort BI. Av. Rec	64.3	%	
		LFB Duplicate RPD	5.7	%	0-25
		Lab Fort Blank Amt.	800.0	ug/l	
		Lab Fort Blk. Found	710.7	ug/l	
		Lab Fort Blk. % Rec.	88.8	%	40-140
		Dup Lab Fort BI Amt.	800.0	ug/l	
		Dup Lab Fort BI. Fnd	725.4	ug/l	
		Dup Lab Fort BI %Rec	90.6	%	40-140
		Lab Fort Blank Range	1.8	units	
		Lab Fort BI. Av. Rec	89.7	%	
		LFB Duplicate RPD	2.0	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 7 of 65

QC Batch Number: GC/FID-21099

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14947	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	80.7	%	70-130
08B14948	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	81.7	%	70-130
08B14949	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	88.2	%	70-130
08B14950	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	82.5	%	70-130
BLANK-117171	C5-C8 Aliphatics	Blank	<100.	ug/l	
	C9-C12 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C5-C8 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C9-C12 Aliphatics	Blank	<100.	ug/l	
LFBLANK-78736	Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	81.3	ug/l	
		Lab Fort Blk. % Rec.	81.3	%	30-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	82.0	ug/l	
		Dup Lab Fort Bl %Rec	82.0	%	30-130
		Lab Fort Blank Range	0.7	units	
		Lab Fort Bl. Av. Rec	81.6	%	
		LFB Duplicate RPD	0.8	%	0-25
	Pentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	102.0	ug/l	
		Lab Fort Blk. % Rec.	102.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	104.0	ug/l	
		Dup Lab Fort Bl %Rec	104.0	%	70-130
		Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	103.0	%	
		LFB Duplicate RPD	1.9	%	0-25
	2-Methylpentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	101.0	ug/l	
		Lab Fort Blk. % Rec.	101.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	102.0	ug/l	
		Dup Lab Fort Bl %Rec	102.0	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	101.5	%	
		LFB Duplicate RPD	0.9	%	0-25
	2,2,4-Trimethylpentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	107.0	ug/l	
		Lab Fort Blk. % Rec.	107.0	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 8 of 65

QC Batch Number: GC/FID-21099

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78736	2,2,4-Trimethylpentane	Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	107.0	ug/l	
		Dup Lab Fort Bl %Rec	107.0	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	107.0	%	
		LFB Duplicate RPD	0.0	%	0-25
	n-Decane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	95.4	ug/l	
		Lab Fort Blk. % Rec.	95.4	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	97.3	ug/l	
		Dup Lab Fort Bl %Rec	97.3	%	70-130
	n-Butylcyclohexane	Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	96.3	%	
		LFB Duplicate RPD	1.9	%	0-25
		Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	81.9	ug/l	
		Lab Fort Blk. % Rec.	81.9	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	83.4	ug/l	
		Dup Lab Fort Bl %Rec	83.4	%	70-130
		Lab Fort Blank Range	1.5	units	
		Lab Fort Bl. Av. Rec	82.6	%	
		LFB Duplicate RPD	1.8	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 9 of 65

QC Batch Number: GC/PID-8670

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14947	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	87.2	%	70-130
08B14948	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	87.7	%	70-130
08B14949	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	88.0	%	70-130
08B14950	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	86.0	%	70-130
BLANK-117170	Benzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	Naphthalene	Blank	<10.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m/p-Xylene	Blank	<2.0	ug/l	
	C9-C10 Aromatics	Blank	<100.	ug/l	
	MTBE	Blank	<1.0	ug/l	
LFBLANK-78734	Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	121.0	ug/l	
		Lab Fort Blk. % Rec.	121.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	121.8	ug/l	
		Dup Lab Fort Bl %Rec	121.8	%	70-130
		Lab Fort Blank Range	0.8	units	
		Lab Fort Bl. Av. Rec	121.4	%	
		LFB Duplicate RPD	0.6	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	110.0	ug/l	
		Lab Fort Blk. % Rec.	110.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	110.0	ug/l	
		Dup Lab Fort Bl %Rec	110.0	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	110.0	%	
		LFB Duplicate RPD	0.0	%	0-25
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	92.7	ug/l	
		Lab Fort Blk. % Rec.	92.7	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	92.5	ug/l	
		Dup Lab Fort Bl %Rec	92.5	%	70-130
		Lab Fort Blank Range	0.2	units	
		Lab Fort Bl. Av. Rec	92.6	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 10 of 65

QC Batch Number: GC/PID-8670

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78734	Naphthalene	LFB Duplicate RPD	0.2	%	0-25
		Lab Fort Blank Amt.	100.0	ug/l	
	Toluene	Lab Fort Blk. Found	113.0	ug/l	
		Lab Fort Blk. % Rec.	113.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	114.0	ug/l	
		Dup Lab Fort Bl %Rec	114.0	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	113.5	%	
		LFB Duplicate RPD	0.8	%	0-25
	o-Xylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	110.0	ug/l	
		Lab Fort Blk. % Rec.	110.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	111.0	ug/l	
		Dup Lab Fort Bl %Rec	111.0	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	110.5	%	
		LFB Duplicate RPD	0.9	%	0-25
		Lab Fort Blank Amt.	200.0	ug/l	
	m/p-Xylene	Lab Fort Blk. Found	218.0	ug/l	
		Lab Fort Blk. % Rec.	109.0	%	70-130
		Dup Lab Fort Bl Amt.	200.0	ug/l	
		Dup Lab Fort Bl. Fnd	220.0	ug/l	
		Dup Lab Fort Bl %Rec	110.0	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	109.5	%	
		LFB Duplicate RPD	0.9	%	0-25
	MTBE	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	108.0	ug/l	
		Lab Fort Blk. % Rec.	108.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	108.0	ug/l	
		Dup Lab Fort Bl %Rec	108.0	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	108.0	%	
		LFB Duplicate RPD	0.0	%	0-25
		Lab Fort Blank Amt.	100.0	ug/l	
	1,2,4-Trimethylbenzene	Lab Fort Blk. Found	105.0	ug/l	
		Lab Fort Blk. % Rec.	105.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	106.0	ug/l	
		Dup Lab Fort Bl %Rec	106.0	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 11 of 65

QC Batch Number: GC/PID-8670

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78734	1,2,4-Trimethylbenzene	Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	105.5	%	
		LFB Duplicate RPD	0.9	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 12 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14952	Phenol-d6	Surrogate Recovery	25.6	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	66.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	63.2	%	15-110
	Terphenyl-d14	Surrogate Recovery	51.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	37.9	%	15-110
08B14953	1,4-Dichlorobenzene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	25.94	ug/l	
		Matrix Spike % Rec.	51.88	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	24.62	ug/l	
		MSD % Recovery	49.24	%	
		MSD Range	2.64	units	
		MS Duplicate RPD	5.22	%	0-20
	Naphthalene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	26.07	ug/l	
		Matrix Spike % Rec.	52.14	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	24.26	ug/l	
		MSD % Recovery	48.52	%	
		MSD Range	3.62	units	
		MS Duplicate RPD	7.19	%	0-20
	1,2-Dichlorobenzene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	28.48	ug/l	
		Matrix Spike % Rec.	56.96	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	26.02	ug/l	
		MSD % Recovery	52.04	%	
		MSD Range	4.92	units	
		MS Duplicate RPD	9.02	%	0-20
	1,3-Dichlorobenzene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	25.27	ug/l	
		Matrix Spike % Rec.	50.54	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	23.55	ug/l	
		MSD % Recovery	47.10	%	
		MSD Range	3.43	units	
		MS Duplicate RPD	7.04	%	0-20



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 13 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Acenaphthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	28.01	ug/l	
		Matrix Spike % Rec.	56.02	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	26.37	ug/l	
		MSD % Recovery	52.74	%	
		MSD Range	3.28	units	
		MS Duplicate RPD	6.03	%	0-20
	Acenaphthylene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	30.23	ug/l	
		Matrix Spike % Rec.	60.46	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	28.21	ug/l	
		MSD % Recovery	56.42	%	
		MSD Range	4.04	units	
		MS Duplicate RPD	6.91	%	0-20
	Aniline	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	24.91	ug/l	
		Matrix Spike % Rec.	49.82	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	18.80	ug/l	
		MSD % Recovery	37.60	%	
		MSD Range	12.22	units	
		MS Duplicate RPD	27.95	%	0-20
	Anthracene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	34.26	ug/l	
		Matrix Spike % Rec.	68.52	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	31.47	ug/l	
		MSD % Recovery	62.94	%	
		MSD Range	5.58	units	
		MS Duplicate RPD	8.48	%	0-20
	Benzo(a)anthracene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	31.110	ug/l	
		Matrix Spike % Rec.	62.220	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	29.610	ug/l	
		MSD % Recovery	59.220	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 14 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Benzo(a)anthracene	MSD Range	3.000	units	
		MS Duplicate RPD	4.940	%	0-20
		Sample Amount	<5.00	ug/l	
	Benzo(a)pyrene	Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	32.930	ug/l	
		Matrix Spike % Rec.	65.860	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	31.280	ug/l	
		MSD % Recovery	62.560	%	
		MSD Range	3.299	units	
		MS Duplicate RPD	5.139	%	0-20
		Sample Amount	<5.00	ug/l	
	Benzo(b)fluoranthene	Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	31.750	ug/l	
		Matrix Spike % Rec.	63.500	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	30.710	ug/l	
		MSD % Recovery	61.420	%	
		MSD Range	2.080	units	
		MS Duplicate RPD	3.330	%	0-20
		Sample Amount	<5.00	ug/l	
	Benzo(g,h,i)perylene	Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	40.430	ug/l	
		Matrix Spike % Rec.	80.860	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	37.090	ug/l	
		MSD % Recovery	74.180	%	
		MSD Range	6.680	units	
		MS Duplicate RPD	8.617	%	0-20
		Sample Amount	<10.0	ug/l	
	Bis(2-chloroethyl)ether	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	39.40	ug/l	
		Matrix Spike % Rec.	78.80	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	35.61	ug/l	
		MSD % Recovery	71.22	%	
		MSD Range	7.58	units	
		MS Duplicate RPD	10.10	%	0-20
		Sample Amount	<10.0	ug/l	
	Bis(2-chloroethoxy)methane	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	38.46	ug/l	
		Matrix Spike % Rec.	76.92	%	40-140
		MSD Amount Added	50.00	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 15 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Bis(2-chloroethoxy)methane	MSD Amt Measured	36.34	ug/l	
		MSD % Recovery	72.68	%	
		MSD Range	4.24	units	
		MS Duplicate RPD	5.66	%	0-20
	Bis(2-chloroisopropyl)ether	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	33.93	ug/l	
		Matrix Spike % Rec.	67.86	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	32.10	ug/l	
		MSD % Recovery	64.20	%	
		MSD Range	3.66	units	
		MS Duplicate RPD	5.54	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	45.91	ug/l	
	Bis(2-ethylhexyl)phthalate	Matrix Spike % Rec.	91.82	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	41.02	ug/l	
		MSD % Recovery	82.04	%	
		MSD Range	9.78	units	
		MS Duplicate RPD	11.25	%	0-20
	4-Bromophenyl phenyl ether	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.84	ug/l	
		Matrix Spike % Rec.	73.68	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.97	ug/l	
		MSD % Recovery	69.95	%	
		MSD Range	3.71	units	
		MS Duplicate RPD	5.17	%	0-20
	Butylbenzylphthalate	Sample Amount	<20.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.77	ug/l	
		Matrix Spike % Rec.	73.54	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.93	ug/l	
		MSD % Recovery	69.86	%	
		MSD Range	3.67	units	
		MS Duplicate RPD	5.13	%	0-20
	4-Chloroaniline	Sample Amount	<20.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	52.88	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 16 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	4-Chloroaniline	Matrix Spike % Rec.	105.76	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	47.53	ug/l	
		MSD % Recovery	95.06	%	
		MSD Range	10.70	units	
		MS Duplicate RPD	10.65	%	0-20
	2-Chloronaphthalene	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	31.87	ug/l	
		Matrix Spike % Rec.	63.74	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	29.59	ug/l	
	Chrysene	MSD % Recovery	59.18	%	
		MSD Range	4.56	units	
		MS Duplicate RPD	7.41	%	0-20
		Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	31.44	ug/l	
	Dibenz(a,h)anthracene	Matrix Spike % Rec.	62.88	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	29.02	ug/l	
		MSD % Recovery	58.04	%	
		MSD Range	4.83	units	
		MS Duplicate RPD	8.00	%	0-20
	Dibenzofuran	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	40.830	ug/l	
		Matrix Spike % Rec.	81.660	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	37.590	ug/l	
	3,3-Dichlorobenzidine	MSD % Recovery	75.180	%	
		MSD Range	6.480	units	
		MS Duplicate RPD	8.263	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	42.68	ug/l	
		Matrix Spike % Rec.	85.36	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	40.36	ug/l	
		MSD % Recovery	80.72	%	
		MSD Range	4.63	units	
		MS Duplicate RPD	5.58	%	0-20
		Sample Amount	<10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 17 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	3,3-Dichlorobenzidine	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.36	ug/l	
		Matrix Spike % Rec.	72.73	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	29.23	ug/l	
		MSD % Recovery	58.46	%	
		MSD Range	14.28	units	
		MS Duplicate RPD	21.76	%	0-20
	Diethylphthalate	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.84	ug/l	
		Matrix Spike % Rec.	73.68	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.97	ug/l	
		MSD % Recovery	69.95	%	
		MSD Range	3.71	units	
		MS Duplicate RPD	5.17	%	0-20
	Dimethylphthalate	Sample Amount	<20.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	38.61	ug/l	
		Matrix Spike % Rec.	77.22	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	37.04	ug/l	
		MSD % Recovery	74.09	%	
		MSD Range	3.12	units	
		MS Duplicate RPD	4.12	%	0-20
	Di-n-butylphthalate	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.72	ug/l	
		Matrix Spike % Rec.	73.44	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	33.82	ug/l	
		MSD % Recovery	67.64	%	
		MSD Range	5.79	units	
		MS Duplicate RPD	8.22	%	0-20
	2,4-Dinitrotoluene	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	43.31	ug/l	
		Matrix Spike % Rec.	86.62	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	42.65	ug/l	
		MSD % Recovery	85.30	%	
		MSD Range	1.32	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 18 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	2,4-Dinitrotoluene	MS Duplicate RPD	1.53	%	0-20
		Sample Amount	<10.0	ug/l	
	2,6-Dinitrotoluene	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	40.68	ug/l	
		Matrix Spike % Rec.	81.36	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	39.58	ug/l	
		MSD % Recovery	79.16	%	
		MSD Range	2.20	units	
		MS Duplicate RPD	2.74	%	
	1,2-Diphenylhydrazine (as Azobenzene)	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	45.21	ug/l	
		Matrix Spike % Rec.	90.42	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	41.80	ug/l	
		MSD % Recovery	83.60	%	
		MSD Range	6.82	units	
		MS Duplicate RPD	7.83	%	0-20
		Sample Amount	<20.0	ug/l	
	Di-n-octylphthalate	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	40.42	ug/l	
		Matrix Spike % Rec.	80.84	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	38.63	ug/l	
		MSD % Recovery	77.26	%	
		MSD Range	3.57	units	
		MS Duplicate RPD	4.52	%	
	Fluoranthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	30.59	ug/l	
		Matrix Spike % Rec.	61.18	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	29.29	ug/l	
		MSD % Recovery	58.58	%	
		MSD Range	2.59	units	
		MS Duplicate RPD	4.34	%	0-20
		Sample Amount	<5.00	ug/l	
	Fluorene	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	35.97	ug/l	
		Matrix Spike % Rec.	71.94	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.01	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 19 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Fluorene	MSD % Recovery	68.02	%	
		MSD Range	3.91	units	
		MS Duplicate RPD	5.60	%	0-20
		Sample Amount	<10.0	ug/l	
	Hexachlorobenzene	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	38.72	ug/l	
		Matrix Spike % Rec.	77.45	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	36.43	ug/l	
		MSD % Recovery	72.86	%	
		MSD Range	4.60	units	
		MS Duplicate RPD	6.12	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
	Hexachlorobutadiene	MS Amt Measured	22.75	ug/l	
		Matrix Spike % Rec.	45.50	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	20.87	ug/l	
		MSD % Recovery	41.74	%	
		MSD Range	3.76	units	
		MS Duplicate RPD	8.61	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	21.68	ug/l	
	Hexachloroethane	Matrix Spike % Rec.	43.36	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	20.21	ug/l	
		MSD % Recovery	40.42	%	
		MSD Range	2.94	units	
		MS Duplicate RPD	7.01	%	0-20
		Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	39.630	ug/l	
		Matrix Spike % Rec.	79.260	%	40-140
	Indeno(1,2,3-cd)pyrene	MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	37.720	ug/l	
		MSD % Recovery	75.440	%	
		MSD Range	3.820	units	
		MS Duplicate RPD	4.938	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.85	ug/l	
		Matrix Spike % Rec.	73.70	%	40-140
	Isophorone				



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 20 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Isophorone	MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.90	ug/l	
		MSD % Recovery	69.80	%	
		MSD Range	3.90	units	
		MS Duplicate RPD	5.43	%	0-20
	2-Methylnaphthalene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	33.26	ug/l	
		Matrix Spike % Rec.	66.52	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	31.59	ug/l	
		MSD % Recovery	63.18	%	
		MSD Range	3.34	units	
		MS Duplicate RPD	5.15	%	0-20
		Sample Amount	<10.0	ug/l	
	Nitrobenzene	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.25	ug/l	
		Matrix Spike % Rec.	72.50	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	34.28	ug/l	
		MSD % Recovery	68.56	%	
		MSD Range	3.94	units	
		MS Duplicate RPD	5.58	%	0-20
		Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
	Phenanthrene	MS Amt Measured	33.76	ug/l	
		Matrix Spike % Rec.	67.52	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	31.46	ug/l	
		MSD % Recovery	62.92	%	
		MSD Range	4.60	units	
		MS Duplicate RPD	7.05	%	0-20
		Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	30.97	ug/l	
	Pyrene	Matrix Spike % Rec.	61.94	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	29.73	ug/l	
		MSD % Recovery	59.46	%	
		MSD Range	2.47	units	
		MS Duplicate RPD	4.08	%	0-20
		Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
	1,2,4-Trichlorobenzene				



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 21 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	1,2,4-Trichlorobenzene	MS Amt Measured	25.05	ug/l	
		Matrix Spike % Rec.	50.10	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	23.29	ug/l	
		MSD % Recovery	46.58	%	
		MSD Range	3.52	units	
	2-Chlorophenol	MS Duplicate RPD	7.28	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	34.50	ug/l	
		Matrix Spike % Rec.	69.00	%	30-130
		MSD Amount Added	50.00	ug/l	
	2,4-Dichlorophenol	MSD Amt Measured	32.43	ug/l	
		MSD % Recovery	64.86	%	
		MSD Range	4.13	units	
		MS Duplicate RPD	6.18	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
	2,4-Dimethylphenol	MS Amt Measured	38.67	ug/l	
		Matrix Spike % Rec.	77.34	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	37.97	ug/l	
		MSD % Recovery	75.95	%	
		MSD Range	1.38	units	
	2,4-Dinitrophenol	MS Duplicate RPD	1.80	%	0-20
		Sample Amount	<40.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	26.67	ug/l	
		Matrix Spike % Rec.	53.34	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	19.03	ug/l	
		MSD % Recovery	38.06	%	
		MSD Range	15.28	units	
		MS Duplicate RPD	33.43	%	0-20
		Sample Amount	<20.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	33.06	ug/l	
		Matrix Spike % Rec.	66.12	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	35.75	ug/l	
		MSD % Recovery	71.50	%	
		MSD Range	5.38	units	
		MS Duplicate RPD	7.81	%	0-20



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 22 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	o-cresol	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	26.26	ug/l	
		Matrix Spike % Rec.	52.52	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	24.60	ug/l	
		MSD % Recovery	49.20	%	
		MSD Range	3.31	units	
		MS Duplicate RPD	6.52	%	0-20
		Sample Amount	<20.0	ug/l	
	m & p-Cresol(s)	Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	27.07	ug/l	
		Matrix Spike % Rec.	54.14	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	26.05	ug/l	
		MSD % Recovery	52.10	%	
		MSD Range	2.04	units	
		MS Duplicate RPD	3.84	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
	2-Nitrophenol	MS Amt Measured	38.26	ug/l	
		Matrix Spike % Rec.	76.52	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	37.13	ug/l	
		MSD % Recovery	74.26	%	
		MSD Range	2.26	units	
		MS Duplicate RPD	2.99	%	0-20
		Sample Amount	<20.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	13.32	ug/l	
	4-Nitrophenol	Matrix Spike % Rec.	26.64	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	14.38	ug/l	
		MSD % Recovery	28.76	%	
		MSD Range	2.12	units	
		MS Duplicate RPD	7.65	%	0-20
		Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	15.34	ug/l	
		Matrix Spike % Rec.	30.68	%	30-130
	Phenol	MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	14.80	ug/l	
		MSD % Recovery	29.60	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 23 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Phenol	MSD Range	1.08	units	
		MS Duplicate RPD	3.58	%	0-20
	2,4,5-Trichlorophenol	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	34.29	ug/l	
		Matrix Spike % Rec.	68.58	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	30.63	ug/l	
		MSD % Recovery	61.26	%	
		MSD Range	7.31	units	
		MS Duplicate RPD	11.27	%	0-20
	2,4,6-Trichlorophenol	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	36.83	ug/l	
		Matrix Spike % Rec.	73.66	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	35.29	ug/l	
		MSD % Recovery	70.58	%	
		MSD Range	3.07	units	
		MS Duplicate RPD	4.27	%	0-20
	Pentachlorophenol	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	29.12	ug/l	
		Matrix Spike % Rec.	58.24	%	30-130
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	32.63	ug/l	
		MSD % Recovery	65.26	%	
		MSD Range	7.02	units	
		MS Duplicate RPD	11.36	%	0-20
	Benzo(k)fluoranthene	Sample Amount	<5.00	ug/l	
		Matrix Spk Amt Added	50.000	ug/l	
		MS Amt Measured	32.360	ug/l	
		Matrix Spike % Rec.	64.720	%	40-140
		MSD Amount Added	50.000	ug/l	
		MSD Amt Measured	31.010	ug/l	
		MSD % Recovery	62.020	%	
		MSD Range	2.699	units	
		MS Duplicate RPD	4.260	%	0-20
	Phenol-d6	Surrogate Recovery	23.7	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	62.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	58.9	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	59.8	%	15-110
	Terphenyl-d14	Surrogate Recovery	48.5	%	30-130

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 24 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	2-Fluorophenol	Surrogate Recovery	35.7	%	15-110
	Acetophenone	Sample Amount	<10.0	ug/l	
		Matrix Spk Amt Added	50.00	ug/l	
		MS Amt Measured	39.47	ug/l	
		Matrix Spike % Rec.	78.94	%	40-140
		MSD Amount Added	50.00	ug/l	
		MSD Amt Measured	37.76	ug/l	
		MSD % Recovery	75.52	%	
		MSD Range	3.41	units	
		MS Duplicate RPD	4.42	%	0-20
08B14954	Phenol-d6	Surrogate Recovery	26.1	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	64.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	53.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	64.9	%	15-110
	Terphenyl-d14	Surrogate Recovery	54.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	38.4	%	15-110
08B14955	Phenol-d6	Surrogate Recovery	23.1	%	15-110
	Nitrobenzene-d5	Surrogate Recovery	63.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.6	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	57.4	%	15-110
	Terphenyl-d14	Surrogate Recovery	65.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	37.8	%	15-110
BLANK-117139	1,4-Dichlorobenzene	Blank	<5.00	ug/l	
	Naphthalene	Blank	<5.00	ug/l	
	1,2-Dichlorobenzene	Blank	<5.00	ug/l	
	1,3-Dichlorobenzene	Blank	<5.00	ug/l	
	Acenaphthene	Blank	<5.00	ug/l	
	Acenaphthylene	Blank	<5.00	ug/l	
	Aniline	Blank	<5.00	ug/l	
	Anthracene	Blank	<5.00	ug/l	
	Benzo(a)anthracene	Blank	<5.00	ug/l	
	Benzo(a)pyrene	Blank	<5.00	ug/l	
	Benzo(b)fluoranthene	Blank	<5.00	ug/l	
	Benzo(g,h,i)perylene	Blank	<5.00	ug/l	
	Bis(2-chloroethyl)ether	Blank	<10.0	ug/l	
	Bis(2-chloroethoxy)methane	Blank	<10.0	ug/l	
	Bis(2-chloroisopropyl)ether	Blank	<10.0	ug/l	
	Bis(2-ethylhexyl)phthalate	Blank	<10.0	ug/l	
	4-Bromophenyl phenyl ether	Blank	<10.0	ug/l	
	Butylbenzylphthalate	Blank	<20.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 25 of 65

QC Batch Number: GCMS/SEM-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-117139	4-Chloroaniline	Blank	<20.0	ug/l	
	2-Chloronaphthalene	Blank	<10.0	ug/l	
	Chrysene	Blank	<5.00	ug/l	
	Dibenz(a,h)anthracene	Blank	<5.00	ug/l	
	Dibenzofuran	Blank	<10.0	ug/l	
	3,3-Dichlorobenzidine	Blank	<10.0	ug/l	
	Diethylphthalate	Blank	<10.0	ug/l	
	Dimethylphthalate	Blank	<20.0	ug/l	
	Di-n-butylphthalate	Blank	<10.0	ug/l	
	2,4-Dinitrotoluene	Blank	<10.0	ug/l	
	2,6-Dinitrotoluene	Blank	<10.0	ug/l	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<10.0	ug/l	
	Di-n-octylphthalate	Blank	<20.0	ug/l	
	Fluoranthene	Blank	<5.00	ug/l	
	Fluorene	Blank	<5.00	ug/l	
	Hexachlorobenzene	Blank	<10.0	ug/l	
	Hexachlorobutadiene	Blank	<10.0	ug/l	
	Hexachloroethane	Blank	<10.0	ug/l	
	Indeno(1,2,3-cd)pyrene	Blank	<5.00	ug/l	
	Isophorone	Blank	<10.0	ug/l	
	2-Methylnaphthalene	Blank	<5.00	ug/l	
	Nitrobenzene	Blank	<10.0	ug/l	
	Phenanthrene	Blank	<5.00	ug/l	
	Pyrene	Blank	<5.00	ug/l	
	1,2,4-Trichlorobenzene	Blank	<5.00	ug/l	
	2-Chlorophenol	Blank	<10.0	ug/l	
	2,4-Dichlorophenol	Blank	<10.0	ug/l	
	2,4-Dimethylphenol	Blank	<40.0	ug/l	
	2,4-Dinitrophenol	Blank	<20.0	ug/l	
	o-cresol	Blank	<10.0	ug/l	
	m & p-Cresol(s)	Blank	<20.0	ug/l	
	2-Nitrophenol	Blank	<10.0	ug/l	
	4-Nitrophenol	Blank	<20.0	ug/l	
	Phenol	Blank	<10.0	ug/l	
	2,4,5-Trichlorophenol	Blank	<10.0	ug/l	
	2,4,6-Trichlorophenol	Blank	<10.0	ug/l	
	Pentachlorophenol	Blank	<10.0	ug/l	
	Benzo(k)fluoranthene	Blank	<5.00	ug/l	
	Acetophenone	Blank	<10.0	ug/l	
LFBLANK-78703	1,4-Dichlorobenzene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	24.00	ug/l	
		Lab Fort Blk. % Rec.	48.00	%	40-140



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 26 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	1,4-Dichlorobenzene	Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	25.96	ug/l	
		Dup Lab Fort BI %Rec	51.92	%	
		Lab Fort Blank Range	3.92	units	
		Lab Fort BI. Av. Rec	49.96	%	
		LFB Duplicate RPD	7.84	%	0-20
	Naphthalene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	21.74	ug/l	
		Lab Fort Blk. % Rec.	43.48	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	23.05	ug/l	
		Dup Lab Fort BI %Rec	46.10	%	
	1,2-Dichlorobenzene	Lab Fort Blank Range	2.62	units	
		Lab Fort BI. Av. Rec	44.79	%	
		LFB Duplicate RPD	5.84	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	25.15	ug/l	
		Lab Fort Blk. % Rec.	50.30	%	40-140
	1,3-Dichlorobenzene	Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	27.56	ug/l	
		Dup Lab Fort BI %Rec	55.12	%	
		Lab Fort Blank Range	4.82	units	
		Lab Fort BI. Av. Rec	52.71	%	
		LFB Duplicate RPD	9.14	%	0-20
	Acenaphthene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	22.87	ug/l	
		Lab Fort Blk. % Rec.	45.74	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	24.58	ug/l	
		Dup Lab Fort BI %Rec	49.16	%	
	Acenaphthylene	Lab Fort Blank Range	3.42	units	
		Lab Fort BI. Av. Rec	47.45	%	
		LFB Duplicate RPD	7.20	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	27.96	ug/l	
		Lab Fort Blk. % Rec.	55.92	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	24.83	ug/l	
		Dup Lab Fort BI %Rec	49.66	%	
		Lab Fort Blank Range	6.26	units	
		Lab Fort BI. Av. Rec	52.79	%	
		LFB Duplicate RPD	11.85	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 27 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703					
Acenaphthylene		Lab Fort Blk. Found	28.87	ug/l	
		Lab Fort Blk. % Rec.	57.74	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	27.16	ug/l	
		Dup Lab Fort BI %Rec	54.32	%	
		Lab Fort Blank Range	3.41	units	
		Lab Fort BI. Av. Rec	56.03	%	
		LFB Duplicate RPD	6.10	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	25.95	ug/l	
Aniline		Lab Fort Blk. % Rec.	51.90	%	30-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	29.76	ug/l	
		Dup Lab Fort BI %Rec	59.52	%	
		Lab Fort Blank Range	7.62	units	
		Lab Fort BI. Av. Rec	55.71	%	
		LFB Duplicate RPD	13.67	%	0-50
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	47.05	ug/l	
		Lab Fort Blk. % Rec.	94.10	%	40-140
Anthracene		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	37.99	ug/l	
		Dup Lab Fort BI %Rec	75.98	%	
		Lab Fort Blank Range	18.12	units	
		Lab Fort BI. Av. Rec	85.04	%	
		LFB Duplicate RPD	21.30	%	0-20
		Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	44.150	ug/l	
		Lab Fort Blk. % Rec.	88.300	%	40-140
		Dup Lab Fort BI Amt.	50.000	ug/l	
Benzo(a)anthracene		Dup Lab Fort BI. Fnd	34.660	ug/l	
		Dup Lab Fort BI %Rec	69.320	%	
		Lab Fort Blank Range	18.980	units	
		Lab Fort BI. Av. Rec	78.810	%	
		LFB Duplicate RPD	24.083	%	0-50
		Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	47.820	ug/l	
		Lab Fort Blk. % Rec.	95.640	%	40-140
		Dup Lab Fort BI Amt.	50.000	ug/l	
		Dup Lab Fort BI. Fnd	37.930	ug/l	
Benzo(a)pyrene		Dup Lab Fort BI %Rec	75.860	%	
		Lab Fort Blank Range	19.780	units	
		Lab Fort BI. Av. Rec	85.750	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: L1MT-15505

Page 28 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	Benzo(a)pyrene	LFB Duplicate RPD	23.067	%	0-20
		Lab Fort Blank Amt.	50.000	ug/l	
	Benzo(b)fluoranthene	Lab Fort Blk. Found	47.970	ug/l	
		Lab Fort Blk. % Rec.	95.940	%	40-140
		Dup Lab Fort BI Amt.	50.000	ug/l	
		Dup Lab Fort BI. Fnd	36.310	ug/l	
		Dup Lab Fort BI %Rec	72.620	%	
		Lab Fort Blank Range	23.320	units	
		Lab Fort BI. Av. Rec	84.280	%	
		LFB Duplicate RPD	27.669	%	0-50
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	57.150	ug/l	
		Lab Fort Blk. % Rec.	114.300	%	40-140
		Dup Lab Fort BI Amt.	50.000	ug/l	
		Dup Lab Fort BI. Fnd	43.970	ug/l	
		Dup Lab Fort BI %Rec	87.940	%	
		Lab Fort Blank Range	26.360	units	
		Lab Fort BI. Av. Rec	101.120	%	
		LFB Duplicate RPD	26.068	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
	Bis(2-chloroethyl)ether	Lab Fort Blk. Found	37.97	ug/l	
		Lab Fort Blk. % Rec.	75.95	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	41.55	ug/l	
		Dup Lab Fort BI %Rec	83.10	%	
		Lab Fort Blank Range	7.13	units	
		Lab Fort BI. Av. Rec	79.53	%	
		LFB Duplicate RPD	8.97	%	0-20
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	36.61	ug/l	
		Lab Fort Blk. % Rec.	73.22	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	40.04	ug/l	
		Dup Lab Fort BI %Rec	80.09	%	
		Lab Fort Blank Range	6.88	units	
		Lab Fort BI. Av. Rec	76.66	%	
		LFB Duplicate RPD	8.97	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
Bis(2-chloroisopropyl)ether		Lab Fort Blk. Found	30.51	ug/l	
		Lab Fort Blk. % Rec.	61.02	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	33.86	ug/l	
		Dup Lab Fort BI %Rec	67.72	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 29 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	Bis(2-chloroisopropyl)ether	Lab Fort Blank Range	6.69	units	
		Lab Fort Bl. Av. Rec	64.37	%	
		LFB Duplicate RPD	10.40	%	0-20
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	62.04	ug/l	
		Lab Fort Blk. % Rec.	124.08	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	46.25	ug/l	
		Dup Lab Fort Bl %Rec	92.50	%	
		Lab Fort Blank Range	31.58	units	
	4-Bromophenyl phenyl ether	Lab Fort Bl. Av. Rec	108.29	%	
		LFB Duplicate RPD	29.16	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	46.79	ug/l	
		Lab Fort Blk. % Rec.	93.58	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	37.47	ug/l	
	Butylbenzylphthalate	Dup Lab Fort Bl %Rec	74.94	%	
		Lab Fort Blank Range	18.64	units	
		Lab Fort Bl. Av. Rec	84.26	%	
		LFB Duplicate RPD	22.12	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	49.48	ug/l	
		Lab Fort Blk. % Rec.	98.96	%	40-140
	4-Chloroaniline	Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	38.52	ug/l	
		Dup Lab Fort Bl %Rec	77.04	%	
		Lab Fort Blank Range	21.92	units	
		Lab Fort Bl. Av. Rec	88.00	%	
		LFB Duplicate RPD	24.90	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
	2-Chloronaphthalene	Lab Fort Blk. Found	56.48	ug/l	
		Lab Fort Blk. % Rec.	112.96	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	66.48	ug/l	
		Dup Lab Fort Bl %Rec	132.97	%	
		Lab Fort Blank Range	20.02	units	
		Lab Fort Bl. Av. Rec	122.97	%	
		LFB Duplicate RPD	16.28	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.86	ug/l	
		Lab Fort Blk. % Rec.	59.72	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 30 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	2-Chloronaphthalene	Dup Lab Fort Bl. Fnd	27.15	ug/l	
		Dup Lab Fort Bl %Rec	54.30	%	
		Lab Fort Blank Range	5.42	units	
		Lab Fort Bl. Av. Rec	57.01	%	
		LFB Duplicate RPD	9.50	%	0-20
	Chrysene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	44.18	ug/l	
		Lab Fort Blk. % Rec.	88.36	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	34.34	ug/l	
		Dup Lab Fort Bl %Rec	68.68	%	
		Lab Fort Blank Range	19.68	units	
		Lab Fort Bl. Av. Rec	78.52	%	
		LFB Duplicate RPD	25.06	%	0-20
		Lab Fort Blank Amt.	50.000	ug/l	
	Dibenz(a,h)anthracene	Lab Fort Blk. Found	56.810	ug/l	
		Lab Fort Blk. % Rec.	113.620	%	40-140
		Dup Lab Fort Bl Amt.	50.000	ug/l	
		Dup Lab Fort Bl. Fnd	45.190	ug/l	
		Dup Lab Fort Bl %Rec	90.380	%	
		Lab Fort Blank Range	23.240	units	
		Lab Fort Bl. Av. Rec	102.000	%	
		LFB Duplicate RPD	22.784	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	45.40	ug/l	
	Dibenzofuran	Lab Fort Blk. % Rec.	90.80	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	39.40	ug/l	
		Dup Lab Fort Bl %Rec	78.80	%	
		Lab Fort Blank Range	12.00	units	
		Lab Fort Bl. Av. Rec	84.80	%	
		LFB Duplicate RPD	14.15	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	39.60	ug/l	
		Lab Fort Blk. % Rec.	79.20	%	40-140
	3,3-Dichlorobenzidine	Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	42.61	ug/l	
		Dup Lab Fort Bl %Rec	85.22	%	
		Lab Fort Blank Range	6.01	units	
		Lab Fort Bl. Av. Rec	82.21	%	
		LFB Duplicate RPD	7.32	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	36.57	ug/l	
	Diethylphthalate				



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 31 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	Diethylphthalate	Lab Fort Blk. % Rec.	73.14	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	40.24	ug/l	
		Dup Lab Fort Bl %Rec	80.48	%	
		Lab Fort Blank Range	7.33	units	
		Lab Fort Bl. Av. Rec	76.81	%	
	Dimethylphthalate	LFB Duplicate RPD	9.55	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	37.39	ug/l	
		Lab Fort Blk. % Rec.	74.78	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	41.86	ug/l	
	Di-n-butylphthalate	Dup Lab Fort Bl %Rec	83.72	%	
		Lab Fort Blank Range	8.93	units	
		Lab Fort Bl. Av. Rec	79.25	%	
		LFB Duplicate RPD	11.28	%	0-50
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	46.28	ug/l	
	2,4-Dinitrotoluene	Lab Fort Blk. % Rec.	92.56	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	38.97	ug/l	
		Dup Lab Fort Bl %Rec	77.94	%	
		Lab Fort Blank Range	14.62	units	
		Lab Fort Bl. Av. Rec	85.25	%	
	2,6-Dinitrotoluene	LFB Duplicate RPD	17.14	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	46.46	ug/l	
		Lab Fort Blk. % Rec.	92.92	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	50.35	ug/l	
		Dup Lab Fort Bl %Rec	100.70	%	
		Lab Fort Blank Range	7.78	units	
		Lab Fort Bl. Av. Rec	96.81	%	
		LFB Duplicate RPD	8.03	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	40.36	ug/l	
		Lab Fort Blk. % Rec.	80.73	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	44.97	ug/l	
		Dup Lab Fort Bl %Rec	89.94	%	
		Lab Fort Blank Range	9.20	units	
		Lab Fort Bl. Av. Rec	85.34	%	
		LFB Duplicate RPD	10.78	%	0-20



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 32 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	50.63	ug/l	
		Lab Fort Blk. % Rec.	101.26	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	45.99	ug/l	
		Dup Lab Fort Bl %Rec	91.98	%	
		Lab Fort Blank Range	9.27	units	
		Lab Fort Bl. Av. Rec	96.62	%	
		LFB Duplicate RPD	9.60	%	0-20
	Di-n-octylphthalate	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	55.22	ug/l	
		Lab Fort Blk. % Rec.	110.44	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	43.68	ug/l	
		Dup Lab Fort Bl %Rec	87.36	%	
		Lab Fort Blank Range	23.08	units	
		Lab Fort Bl. Av. Rec	98.90	%	
		LFB Duplicate RPD	23.33	%	0-20
	Fluoranthene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	42.14	ug/l	
		Lab Fort Blk. % Rec.	84.28	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	34.34	ug/l	
		Dup Lab Fort Bl %Rec	68.68	%	
		Lab Fort Blank Range	15.60	units	
		Lab Fort Bl. Av. Rec	76.48	%	
		LFB Duplicate RPD	20.39	%	0-20
	Fluorene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	42.32	ug/l	
		Lab Fort Blk. % Rec.	84.64	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	35.58	ug/l	
		Dup Lab Fort Bl %Rec	71.16	%	
		Lab Fort Blank Range	13.48	units	
		Lab Fort Bl. Av. Rec	77.90	%	
		LFB Duplicate RPD	17.30	%	0-20
	Hexachlorobenzene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	52.48	ug/l	
		Lab Fort Blk. % Rec.	104.96	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	40.77	ug/l	
		Dup Lab Fort Bl %Rec	81.54	%	
		Lab Fort Blank Range	23.42	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 33 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	Hexachlorobenzene	Lab Fort Bl. Av. Rec	93.25	%	0-20
		LFB Duplicate RPD	25.11	%	
	Hexachlorobutadiene	Lab Fort Blank Amt.	50.00	ug/l	40-140
		Lab Fort Blk. Found	21.22	ug/l	
		Lab Fort Blk. % Rec.	42.44	%	
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	22.10	ug/l	
		Dup Lab Fort Bl %Rec	44.20	%	
		Lab Fort Blank Range	1.76	units	
		Lab Fort Bl. Av. Rec	43.32	%	
	Hexachloroethane	LFB Duplicate RPD	4.06	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	19.63	ug/l	
		Lab Fort Blk. % Rec.	39.26	%	
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	21.79	ug/l	
		Dup Lab Fort Bl %Rec	43.58	%	
		Lab Fort Blank Range	4.31	units	
	Indeno(1,2,3-cd)pyrene	Lab Fort Bl. Av. Rec	41.42	%	0-50
		LFB Duplicate RPD	10.42	%	
		Lab Fort Blank Amt.	50.000	ug/l	
		Lab Fort Blk. Found	60.120	ug/l	
		Lab Fort Blk. % Rec.	120.240	%	
		Dup Lab Fort Bl Amt.	50.000	ug/l	
		Dup Lab Fort Bl. Fnd	45.790	ug/l	
		Dup Lab Fort Bl %Rec	91.580	%	
	Isophorone	Lab Fort Blank Range	28.660	units	40-140
		Lab Fort Bl. Av. Rec	105.910	%	
		LFB Duplicate RPD	27.060	%	
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	34.20	ug/l	
		Lab Fort Blk. % Rec.	68.40	%	
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	37.64	ug/l	
	2-Methylnaphthalene	Dup Lab Fort Bl %Rec	75.28	%	0-20
		Lab Fort Blank Range	6.88	units	
		Lab Fort Bl. Av. Rec	71.84	%	
		LFB Duplicate RPD	9.57	%	
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.41	ug/l	
		Lab Fort Blk. % Rec.	58.82	%	
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	28.57	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 34 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFB LANK-78703	2-Methylnaphthalene	Dup Lab Fort Bl %Rec	57.14	%	
		Lab Fort Blank Range	1.68	units	
		Lab Fort Bl. Av. Rec	57.98	%	
		LFB Duplicate RPD	2.89	%	0-20
	Nitrobenzene	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	33.15	ug/l	
		Lab Fort Blk. % Rec.	66.30	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	37.00	ug/l	
		Dup Lab Fort Bl %Rec	74.00	%	
		Lab Fort Blank Range	7.70	units	
		Lab Fort Bl. Av. Rec	70.15	%	
	Phenanthrene	LFB Duplicate RPD	10.97	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	45.38	ug/l	
		Lab Fort Blk. % Rec.	90.76	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	36.75	ug/l	
		Dup Lab Fort Bl %Rec	73.50	%	
		Lab Fort Blank Range	17.26	units	
	Pyrene	Lab Fort Bl. Av. Rec	82.13	%	
		LFB Duplicate RPD	21.01	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	44.36	ug/l	
		Lab Fort Blk. % Rec.	88.72	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	33.90	ug/l	
		Dup Lab Fort Bl %Rec	67.81	%	
	1,2,4-Trichlorobenzene	Lab Fort Blank Range	20.90	units	
		Lab Fort Bl. Av. Rec	78.27	%	
		LFB Duplicate RPD	26.70	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	23.33	ug/l	
		Lab Fort Blk. % Rec.	46.66	%	40-140
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	23.03	ug/l	
	2-Chlorophenol	Dup Lab Fort Bl %Rec	46.06	%	
		Lab Fort Blank Range	0.60	units	
		Lab Fort Bl. Av. Rec	46.36	%	
		LFB Duplicate RPD	1.29	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	33.42	ug/l	
		Lab Fort Blk. % Rec.	66.84	%	30-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 35 of 65

QC Batch Number: GCMS/SEM-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	2-Chlorophenol	Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	36.38	ug/l	
		Dup Lab Fort Bl %Rec	72.76	%	
		Lab Fort Blank Range	5.92	units	
		Lab Fort Bl. Av. Rec	69.80	%	
		LFB Duplicate RPD	8.48	%	0-20
	2,4-Dichlorophenol	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	37.74	ug/l	
		Lab Fort Blk. % Rec.	75.48	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	43.60	ug/l	
		Dup Lab Fort Bl %Rec	87.20	%	
	2,4-Dimethylphenol	Lab Fort Blank Range	11.72	units	
		Lab Fort Bl. Av. Rec	81.34	%	
		LFB Duplicate RPD	14.40	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	29.18	ug/l	
		Lab Fort Blk. % Rec.	58.36	%	30-130
	2,4-Dinitrophenol	Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	30.37	ug/l	
		Dup Lab Fort Bl %Rec	60.74	%	
		Lab Fort Blank Range	2.37	units	
		Lab Fort Bl. Av. Rec	59.55	%	
		LFB Duplicate RPD	3.99	%	0-20
	o-cresol	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	33.04	ug/l	
		Lab Fort Blk. % Rec.	66.09	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	42.15	ug/l	
		Dup Lab Fort Bl %Rec	84.30	%	
	m & p-Cresol(s)	Lab Fort Blank Range	18.20	units	
		Lab Fort Bl. Av. Rec	75.20	%	
		LFB Duplicate RPD	24.20	%	0-50
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	26.13	ug/l	
		Lab Fort Blk. % Rec.	52.26	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	30.39	ug/l	
		Dup Lab Fort Bl %Rec	60.78	%	
		Lab Fort Blank Range	8.51	units	
		Lab Fort Bl. Av. Rec	56.52	%	
		LFB Duplicate RPD	15.07	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 36 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	m & p-Cresol(s)	Lab Fort Blk. Found	27.35	ug/l	
		Lab Fort Blk. % Rec.	54.70	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	32.22	ug/l	
		Dup Lab Fort Bl %Rec	64.44	%	
		Lab Fort Blank Range	9.73	units	
		Lab Fort Bl. Av. Rec	59.57	%	
	2-Nitrophenol	LFB Duplicate RPD	16.35	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	36.74	ug/l	
		Lab Fort Blk. % Rec.	73.48	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	40.29	ug/l	
		Dup Lab Fort Bl %Rec	80.58	%	
	4-Nitrophenol	Lab Fort Blank Range	7.10	units	
		Lab Fort Bl. Av. Rec	77.03	%	
		LFB Duplicate RPD	9.21	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	14.84	ug/l	
		Lab Fort Blk. % Rec.	29.68	%	10-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
	Phenol	Dup Lab Fort Bl. Fnd	12.33	ug/l	
		Dup Lab Fort Bl %Rec	24.66	%	
		Lab Fort Blank Range	5.01	units	
		Lab Fort Bl. Av. Rec	27.17	%	
		LFB Duplicate RPD	18.47	%	0-50
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	15.01	ug/l	
	2,4,5-Trichlorophenol	Lab Fort Blk. % Rec.	30.02	%	20-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	16.98	ug/l	
		Dup Lab Fort Bl %Rec	33.96	%	
		Lab Fort Blank Range	3.94	units	
		Lab Fort Bl. Av. Rec	31.99	%	
		LFB Duplicate RPD	12.31	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	30.20	ug/l	
		Lab Fort Blk. % Rec.	60.40	%	30-130
		Dup Lab Fort Bl Amt.	50.00	ug/l	
		Dup Lab Fort Bl. Fnd	35.94	ug/l	
		Dup Lab Fort Bl %Rec	71.88	%	
		Lab Fort Blank Range	11.48	units	
		Lab Fort Bl. Av. Rec	66.14	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 37 of 65

QC Batch Number: GCMS/SEMI-10756

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78703	2,4,5-Trichlorophenol	LFB Duplicate RPD	17.35	%	0-20
		Lab Fort Blank Amt.	50.00	ug/l	
	2,4,6-Trichlorophenol	Lab Fort Blk. Found	35.40	ug/l	
		Lab Fort Blk. % Rec.	70.80	%	30-130
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	39.47	ug/l	
		Dup Lab Fort BI %Rec	78.94	%	
		Lab Fort Blank Range	8.14	units	
		Lab Fort BI. Av. Rec	74.87	%	
		LFB Duplicate RPD	10.87	%	0-50
	Pentachlorophenol	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	41.78	ug/l	
		Lab Fort Blk. % Rec.	83.56	%	30-130
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	35.52	ug/l	
		Dup Lab Fort BI %Rec	71.04	%	
		Lab Fort Blank Range	12.52	units	
		Lab Fort BI. Av. Rec	77.30	%	
		LFB Duplicate RPD	16.19	%	0-50
		Lab Fort Blank Amt.	50.000	ug/l	
	Benzo(k)fluoranthene	Lab Fort Blk. Found	43.690	ug/l	
		Lab Fort Blk. % Rec.	87.380	%	40-140
		Dup Lab Fort BI Amt.	50.000	ug/l	
		Dup Lab Fort BI. Fnd	36.610	ug/l	
		Dup Lab Fort BI %Rec	73.220	%	
		Lab Fort Blank Range	14.160	units	
		Lab Fort BI. Av. Rec	80.300	%	
		LFB Duplicate RPD	17.633	%	0-50
	Acetophenone	Lab Fort Blank Amt.	50.00	ug/l	
		Lab Fort Blk. Found	37.42	ug/l	
		Lab Fort Blk. % Rec.	74.84	%	40-140
		Dup Lab Fort BI Amt.	50.00	ug/l	
		Dup Lab Fort BI. Fnd	42.22	ug/l	
		Dup Lab Fort BI %Rec	84.44	%	
		Lab Fort Blank Range	9.59	units	
		Lab Fort BI. Av. Rec	79.64	%	
		LFB Duplicate RPD	12.05	%	0-20



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 38 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14951	1,2-Dichloroethane-d4	Surrogate Recovery	113.0	%	70-130
	Toluene-d8	Surrogate Recovery	92.9	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.4	%	70-130
08B14952	1,2-Dichloroethane-d4	Surrogate Recovery	113.4	%	70-130
	Toluene-d8	Surrogate Recovery	94.5	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.1	%	70-130
08B14953	1,2-Dichloroethane-d4	Surrogate Recovery	113.3	%	70-130
	Toluene-d8	Surrogate Recovery	95.4	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.2	%	70-130
08B14954	1,2-Dichloroethane-d4	Surrogate Recovery	114.4	%	70-130
	Toluene-d8	Surrogate Recovery	92.9	%	70-130
	Bromofluorobenzene	Surrogate Recovery	96.7	%	70-130
08B14955	1,2-Dichloroethane-d4	Surrogate Recovery	114.1	%	70-130
	Toluene-d8	Surrogate Recovery	94.8	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.3	%	70-130
BLANK-117028	Acetone	Blank	<50.0	ug/l	
	Benzene	Blank	<1.0	ug/l	
	Carbon Tetrachloride	Blank	<1.0	ug/l	
	Chloroform	Blank	<2.0	ug/l	
	1,2-Dichloroethane	Blank	<1.0	ug/l	
	1,4-Dichlorobenzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	2-Butanone (MEK)	Blank	<20.0	ug/l	
	MIBK	Blank	<10.0	ug/l	
	Naphthalene	Blank	<2.0	ug/l	
	Styrene	Blank	<1.0	ug/l	
	Tetrachloroethylene	Blank	<1.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	1,1,1-Trichloroethane	Blank	<1.0	ug/l	
	Trichloroethylene	Blank	<1.0	ug/l	
	Trichlorofluoromethane	Blank	<2.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m + p Xylene	Blank	<2.0	ug/l	
	1,2-Dichlorobenzene	Blank	<1.0	ug/l	
	1,3-Dichlorobenzene	Blank	<1.0	ug/l	
	1,1-Dichloroethane	Blank	<1.0	ug/l	
	1,1-Dichloroethylene	Blank	<1.0	ug/l	
	1,4-Dioxane	Blank	<50.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 39 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-117028	MTBE	Blank	<1.0	ug/l	
	trans-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	Vinyl Chloride	Blank	<2.0	ug/l	
	Methylene Chloride	Blank	<5.0	ug/l	
	Chlorobenzene	Blank	<1.0	ug/l	
	Chloromethane	Blank	<2.0	ug/l	
	Bromomethane	Blank	<5.0	ug/l	
	Chloroethane	Blank	<2.0	ug/l	
	cis-1,3-Dichloropropene	Blank	<0.5	ug/l	
	trans-1,3-Dichloropropene	Blank	<0.5	ug/l	
	Chlorodibromomethane	Blank	<0.5	ug/l	
	1,1,2-Trichloroethane	Blank	<1.0	ug/l	
	Bromoform	Blank	<1.0	ug/l	
	1,1,2,2-Tetrachloroethane	Blank	<0.5	ug/l	
	2-Chlorotoluene	Blank	<1.0	ug/l	
	Hexachlorobutadiene	Blank	1.2	ug/l	
	Isopropylbenzene	Blank	<1.0	ug/l	
	p-Isopropyltoluene	Blank	<1.0	ug/l	
	n-Propylbenzene	Blank	<1.0	ug/l	
	sec-Butylbenzene	Blank	<1.0	ug/l	
	tert-Butylbenzene	Blank	<1.0	ug/l	
	1,2,3-Trichlorobenzene	Blank	<5.0	ug/l	
	1,2,4-Trichlorobenzene	Blank	<1.0	ug/l	
	1,2,4-Trimethylbenzene	Blank	<1.0	ug/l	
	1,3,5-Trimethylbenzene	Blank	<1.0	ug/l	
	Dibromomethane	Blank	<1.0	ug/l	
	cis-1,2-Dichloroethylene	Blank	<1.0	ug/l	
	4-Chlorotoluene	Blank	<1.0	ug/l	
	1,1-Dichloropropene	Blank	<2.0	ug/l	
	1,2-Dichloropropane	Blank	<1.0	ug/l	
	1,3-Dichloropropane	Blank	<0.5	ug/l	
	2,2-Dichloropropane	Blank	<1.0	ug/l	
	1,1,1,2-Tetrachloroethane	Blank	<1.0	ug/l	
	1,2,3-Trichloropropane	Blank	<2.0	ug/l	
	n-Butylbenzene	Blank	<1.0	ug/l	
	Dichlorodifluoromethane	Blank	<2.0	ug/l	
	Bromochloromethane	Blank	<1.0	ug/l	
	Bromobenzene	Blank	<1.0	ug/l	
	Carbon Disulfide	Blank	<3.0	ug/l	
	2-Hexanone	Blank	<10.0	ug/l	
	Diethyl Ether	Blank	<2.0	ug/l	
	Bromodichloromethane	Blank	<1.0	ug/l	
	1,2-Dibromo-3-Chloropropane	Blank	<5.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 40 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-117028	1,2-Dibromoethane	Blank	<0.50	ug/l	
	Tetrahydrofuran	Blank	<10.0	ug/l	
	Diisopropyl Ether	Blank	<0.5	ug/l	
	tert-Butylethyl Ether	Blank	<0.5	ug/l	
	tert-Amylmethyl Ether	Blank	<0.5	ug/l	
LFBLANK-78597	Acetone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.9	ug/l	
		Lab Fort Blk. % Rec.	129.7	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	12.4	ug/l	
		Dup Lab Fort Bl %Rec	124.7	%	70-160
		Lab Fort Blank Range	4.9	units	
	Benzene	Lab Fort Bl. Av. Rec	127.2	%	
		LFB Duplicate RPD	3.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.4	ug/l	
	Carbon Tetrachloride	Dup Lab Fort Bl %Rec	84.4	%	70-130
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	85.3	%	
		LFB Duplicate RPD	2.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.7	ug/l	
		Lab Fort Blk. % Rec.	117.5	%	70-130
	Chloroform	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.8	ug/l	
		Dup Lab Fort Bl %Rec	118.8	%	70-130
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	118.1	%	
		LFB Duplicate RPD	1.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	1,2-Dichloroethane	Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.3	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	96.8	%	
		LFB Duplicate RPD	1.0	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 41 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	1,2-Dichloroethane	Lab Fort Blk. Found	12.3	ug/l	
		Lab Fort Blk. % Rec.	123.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	12.4	ug/l	
		Dup Lab Fort Bl %Rec	124.9	%	70-130
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	124.2	%	
		LFB Duplicate RPD	1.1	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.9	%	70-130
		Lab Fort Blank Range	0.4	units	
		Lab Fort Bl. Av. Rec	97.1	%	
		LFB Duplicate RPD	0.5	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.4	ug/l	
		Dup Lab Fort Bl %Rec	104.8	%	70-130
		Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	103.8	%	
		LFB Duplicate RPD	1.9	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.6	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.2	ug/l	
		Dup Lab Fort Bl %Rec	92.6	%	40-160
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	94.6	%	
		LFB Duplicate RPD	4.2	%	0-25
	MIBK	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.6	ug/l	
		Lab Fort Blk. % Rec.	136.1	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	13.6	ug/l	
		Dup Lab Fort Bl %Rec	136.7	%	70-160
		Lab Fort Blank Range	0.5	units	
		Lab Fort Bl. Av. Rec	136.4	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 42 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	MIBK	LFB Duplicate RPD	0.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	Naphthalene	Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.4	%	40-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	12.0	ug/l	
		Dup Lab Fort Bl %Rec	120.9	%	40-130
		Lab Fort Blank Range	4.4	units	
		Lab Fort Bl. Av. Rec	118.6	%	
		LFB Duplicate RPD	3.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
	Styrene	Lab Fort Blk. % Rec.	99.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.5	%	70-130
		Lab Fort Blank Range	2.6	units	
		Lab Fort Bl. Av. Rec	97.8	%	
		LFB Duplicate RPD	2.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.2	ug/l	
	Tetrachloroethylene	Lab Fort Blk. % Rec.	112.8	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.0	ug/l	
		Dup Lab Fort Bl %Rec	110.9	%	70-160
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	111.8	%	
		LFB Duplicate RPD	1.6	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
	Toluene	Lab Fort Blk. % Rec.	97.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.4	ug/l	
		Dup Lab Fort Bl %Rec	94.7	%	70-130
		Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	96.3	%	
		LFB Duplicate RPD	3.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.9	ug/l	
	1,1,1-Trichloroethane	Lab Fort Blk. % Rec.	119.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.8	ug/l	
		Dup Lab Fort Bl %Rec	118.9	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 43 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597					
	1,1,1-Trichloroethane	Lab Fort Blank Range	0.6	units	
		Lab Fort Bl. Av. Rec	119.2	%	
		LFB Duplicate RPD	0.5	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.5	ug/l	
		Dup Lab Fort Bl %Rec	105.1	%	70-130
		Lab Fort Blank Range	2.5	units	
		Lab Fort Bl. Av. Rec	106.3	%	
		LFB Duplicate RPD	2.3	%	0-25
	Trichlorofluoromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	12.3	ug/l	
		Lab Fort Blk. % Rec.	123.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.9	ug/l	
		Dup Lab Fort Bl %Rec	119.6	%	70-160
		Lab Fort Blank Range	4.2	units	
		Lab Fort Bl. Av. Rec	121.7	%	
		LFB Duplicate RPD	3.4	%	0-25
	o-Xylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.1	ug/l	
		Dup Lab Fort Bl %Rec	101.4	%	70-130
		Lab Fort Blank Range	0.6	units	
		Lab Fort Bl. Av. Rec	101.7	%	
		LFB Duplicate RPD	0.6	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	21.8	ug/l	
		Lab Fort Blk. % Rec.	109.1	%	70-130
		Dup Lab Fort Bl Amt.	20.0	ug/l	
		Dup Lab Fort Bl. Fnd	21.7	ug/l	
		Dup Lab Fort Bl %Rec	108.8	%	70-130
		Lab Fort Blank Range	0.3	units	
		Lab Fort Bl. Av. Rec	109.0	%	
		LFB Duplicate RPD	0.2	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 44 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	1,2-Dichlorobenzene	Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.5	%	70-130
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	100.2	%	
		LFB Duplicate RPD	1.3	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.7	ug/l	
		Dup Lab Fort Bl %Rec	97.7	%	70-130
		Lab Fort Blank Range	3.7	units	
		Lab Fort Bl. Av. Rec	99.5	%	
		LFB Duplicate RPD	3.7	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.4	ug/l	
		Dup Lab Fort Bl %Rec	94.6	%	70-130
		Lab Fort Blank Range	2.3	units	
		Lab Fort Bl. Av. Rec	93.4	%	
		LFB Duplicate RPD	2.5	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.7	ug/l	
		Dup Lab Fort Bl %Rec	107.9	%	70-130
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	107.3	%	
		LFB Duplicate RPD	1.1	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	50.0	ug/l	
		Lab Fort Blk. Found	52.2	ug/l	
		Lab Fort Blk. % Rec.	104.4	%	40-130
		Dup Lab Fort Bl Amt.	50.0	ug/l	
		Dup Lab Fort Bl. Fnd	50.4	ug/l	
		Dup Lab Fort Bl %Rec	100.9	%	40-130
		Lab Fort Blank Range	3.4	units	
		Lab Fort Bl. Av. Rec	102.7	%	
		LFB Duplicate RPD	3.3	%	0-50
	MTBE	Lab Fort Blank Amt.	20.0	ug/l	
		Lab Fort Blk. Found	20.1	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 45 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	MTBE	Lab Fort Blk. % Rec.	100.7	%	70-130
		Dup Lab Fort Bl Amt.	20.0	ug/l	
		Dup Lab Fort Bl. Fnd	20.7	ug/l	
		Dup Lab Fort Bl %Rec	103.7	%	70-130
		Lab Fort Blank Range	3.0	units	
		Lab Fort Bl. Av. Rec	102.2	%	
		LFB Duplicate RPD	2.9	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.8	ug/l	
		Dup Lab Fort Bl %Rec	98.7	%	70-130
		Lab Fort Blank Range	2.3	units	
	Vinyl Chloride	Lab Fort Bl. Av. Rec	97.5	%	
		LFB Duplicate RPD	2.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.6	ug/l	
		Lab Fort Blk. % Rec.	86.8	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.5	ug/l	
	Methylene Chloride	Dup Lab Fort Bl %Rec	85.0	%	40-160
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	85.9	%	
		LFB Duplicate RPD	2.0	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.4	ug/l	
		Lab Fort Blk. % Rec.	94.0	%	70-130
	Chlorobenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.2	ug/l	
		Dup Lab Fort Bl %Rec	92.8	%	70-130
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	93.4	%	
		LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.9	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	102.9	%	
		LFB Duplicate RPD	0.0	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 46 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	Chloromethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.4	ug/l	
		Lab Fort Blk. % Rec.	74.9	%	40-160
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	7.4	ug/l	
		Dup Lab Fort BI %Rec	74.2	%	40-160
		Lab Fort Blank Range	0.7	units	
		Lab Fort Bl. Av. Rec	74.5	%	
		LFB Duplicate RPD	0.9	%	0-25
	Bromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	32.6	ug/l	
		Lab Fort Blk. % Rec.	326.7	%	40-160
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	30.5	ug/l	
		Dup Lab Fort BI %Rec	305.3	%	40-160
		Lab Fort Blank Range	21.4	units	
		Lab Fort Bl. Av. Rec	316.0	%	
		LFB Duplicate RPD	6.7	%	0-25
	Chloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.5	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	10.8	ug/l	
		Dup Lab Fort BI %Rec	108.6	%	70-130
		Lab Fort Blank Range	1.9	units	
		Lab Fort Bl. Av. Rec	109.5	%	
		LFB Duplicate RPD	1.7	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.2	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	10.1	ug/l	
		Dup Lab Fort BI %Rec	101.8	%	70-130
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	102.5	%	
		LFB Duplicate RPD	1.3	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.8	ug/l	
		Lab Fort Blk. % Rec.	118.9	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	11.6	ug/l	
		Dup Lab Fort BI %Rec	116.1	%	70-130
		Lab Fort Blank Range	2.8	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 47 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	trans-1,3-Dichloropropene	Lab Fort Bl. Av. Rec	117.5	%	
		LFB Duplicate RPD	2.3	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.6	ug/l	
		Lab Fort Blk. % Rec.	116.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.5	ug/l	
		Dup Lab Fort Bl %Rec	115.0	%	70-130
		Lab Fort Blank Range	1.9	units	
		Lab Fort Bl. Av. Rec	115.9	%	
		LFB Duplicate RPD	1.6	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.7	ug/l	
		Lab Fort Blk. % Rec.	107.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.7	ug/l	
		Dup Lab Fort Bl %Rec	107.5	%	70-130
		Lab Fort Blank Range	0.5	units	
		Lab Fort Bl. Av. Rec	107.2	%	
		LFB Duplicate RPD	0.4	%	0-25
	Bromoform	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.0	ug/l	
		Lab Fort Blk. % Rec.	130.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	13.0	ug/l	
		Dup Lab Fort Bl %Rec	130.0	%	70-130
		Lab Fort Blank Range	0.2	units	
		Lab Fort Bl. Av. Rec	130.1	%	
		LFB Duplicate RPD	0.1	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.2	%	70-130
		Lab Fort Blank Range	3.4	units	
		Lab Fort Bl. Av. Rec	97.4	%	
		LFB Duplicate RPD	3.5	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.8	ug/l	
		Lab Fort Blk. % Rec.	108.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.8	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 48 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	2-Chlorotoluene	Dup Lab Fort Bl %Rec	108.1	%	70-130
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	108.0	%	
		LFB Duplicate RPD	0.0	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.3	ug/l	
		Lab Fort Blk. % Rec.	113.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.9	ug/l	
		Dup Lab Fort Bl %Rec	109.6	%	70-130
		Lab Fort Blank Range	4.0	units	
		Lab Fort Bl. Av. Rec	111.6	%	
		LFB Duplicate RPD	3.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	Isopropylbenzene	Lab Fort Blk. Found	10.2	ug/l	
		Lab Fort Blk. % Rec.	102.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.8	%	70-130
		Lab Fort Blank Range	0.4	units	
		Lab Fort Bl. Av. Rec	102.5	%	
		LFB Duplicate RPD	0.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.2	ug/l	
	p-Isopropyltoluene	Lab Fort Blk. % Rec.	82.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.3	ug/l	
		Dup Lab Fort Bl %Rec	83.5	%	70-130
		Lab Fort Blank Range	0.8	units	
		Lab Fort Bl. Av. Rec	83.1	%	
		LFB Duplicate RPD	0.9	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.0	ug/l	
		Lab Fort Blk. % Rec.	90.2	%	70-130
	n-Propylbenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.9	ug/l	
		Dup Lab Fort Bl %Rec	89.2	%	70-130
		Lab Fort Blank Range	0.9	units	
		Lab Fort Bl. Av. Rec	89.7	%	
		LFB Duplicate RPD	1.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.8	ug/l	
		Lab Fort Blk. % Rec.	78.7	%	70-130
	sec-Butylbenzene				



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 49 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	sec-Butylbenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	7.9	ug/l	
		Dup Lab Fort Bl %Rec	79.1	%	70-130
		Lab Fort Blank Range	0.3	units	
		Lab Fort Bl. Av. Rec	78.9	%	
		LFB Duplicate RPD	0.5	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.0	ug/l	
		Lab Fort Blk. % Rec.	100.1	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.6	%	70-130
	1,2,3-Trichlorobenzene	Lab Fort Blank Range	0.5	units	
		Lab Fort Bl. Av. Rec	99.8	%	
		LFB Duplicate RPD	0.5	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	13.4	ug/l	
		Lab Fort Blk. % Rec.	134.0	%	70-130
	1,2,4-Trichlorobenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	13.8	ug/l	
		Dup Lab Fort Bl %Rec	138.8	%	70-130
		Lab Fort Blank Range	4.8	units	
		Lab Fort Bl. Av. Rec	136.4	%	
		LFB Duplicate RPD	3.5	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.8	ug/l	
		Dup Lab Fort Bl %Rec	98.1	%	70-130
	1,3,5-Trimethylbenzene	Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	97.5	%	
		LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.2	ug/l	
		Lab Fort Blk. % Rec.	92.8	%	70-130
	1,3,5-Trimethylbenzene	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.2	ug/l	
		Dup Lab Fort Bl %Rec	92.0	%	70-130
		Lab Fort Blank Range	0.8	units	
		Lab Fort Bl. Av. Rec	92.4	%	
		LFB Duplicate RPD	0.8	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 50 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	1,3,5-Trimethylbenzene	Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.8	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.8	ug/l	
		Dup Lab Fort Bl %Rec	98.9	%	70-130
		Lab Fort Blank Range	0.1	units	
		Lab Fort Bl. Av. Rec	98.8	%	
		LFB Duplicate RPD	0.1	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.0	ug/l	
		Lab Fort Blk. % Rec.	110.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.9	ug/l	
		Dup Lab Fort Bl %Rec	109.3	%	70-130
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	110.0	%	
	cis-1,2-Dichloroethylene	LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.6	ug/l	
		Lab Fort Blk. % Rec.	96.0	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.5	ug/l	
		Dup Lab Fort Bl %Rec	95.9	%	70-130
		Lab Fort Blank Range	0.1	units	
	4-Chlorotoluene	Lab Fort Bl. Av. Rec	95.9	%	
		LFB Duplicate RPD	0.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.9	ug/l	
		Lab Fort Blk. % Rec.	109.7	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	11.0	ug/l	
		Dup Lab Fort Bl %Rec	110.1	%	70-130
	1,1-Dichloropropene	Lab Fort Blank Range	0.4	units	
		Lab Fort Bl. Av. Rec	109.9	%	
		LFB Duplicate RPD	0.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.0	ug/l	
		Dup Lab Fort Bl %Rec	100.2	%	70-130
		Lab Fort Blank Range	0.7	units	
		Lab Fort Bl. Av. Rec	99.8	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 51 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	1,1-Dichloropropene	LFB Duplicate RPD	0.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	1,2-Dichloropropane	Lab Fort Blk. Found	9.1	ug/l	
		Lab Fort Blk. % Rec.	91.1	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	8.9	ug/l	
		Dup Lab Fort BI %Rec	89.5	%	70-130
		Lab Fort Blank Range	1.6	units	
		Lab Fort BI. Av. Rec	90.3	%	
		LFB Duplicate RPD	1.7	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
		Lab Fort Blk. % Rec.	103.3	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	10.0	ug/l	
		Dup Lab Fort BI %Rec	100.9	%	70-130
		Lab Fort Blank Range	2.4	units	
		Lab Fort BI. Av. Rec	102.1	%	
	2,2-Dichloropropane	LFB Duplicate RPD	2.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.7	ug/l	
		Lab Fort Blk. % Rec.	97.1	%	40-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	9.4	ug/l	
		Dup Lab Fort BI %Rec	94.9	%	40-130
		Lab Fort Blank Range	2.1	units	
	1,1,1,2-Tetrachloroethane	Lab Fort BI. Av. Rec	96.0	%	
		LFB Duplicate RPD	2.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.7	ug/l	
		Lab Fort Blk. % Rec.	117.5	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	11.8	ug/l	
		Dup Lab Fort BI %Rec	118.5	%	70-130
	1,2,3-Trichloropropane	Lab Fort Blank Range	1.0	units	
		Lab Fort BI. Av. Rec	118.0	%	
		LFB Duplicate RPD	0.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	11.5	ug/l	
		Lab Fort Blk. % Rec.	115.6	%	70-130
		Dup Lab Fort BI Amt.	10.0	ug/l	
		Dup Lab Fort BI. Fnd	11.8	ug/l	
		Dup Lab Fort BI %Rec	118.8	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 52 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597					
1,2,3-Trichloropropane		Lab Fort Blank Range	3.2	units	
		Lab Fort Bl. Av. Rec	117.2	%	
		LFB Duplicate RPD	2.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	7.1	ug/l	
		Lab Fort Blk. % Rec.	71.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	6.9	ug/l	
		Dup Lab Fort Bl %Rec	69.5	%	70-130
		Lab Fort Blank Range	2.0	units	
n-Butylbenzene		Lab Fort Bl. Av. Rec	70.5	%	
		LFB Duplicate RPD	2.8	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.8	ug/l	
		Lab Fort Blk. % Rec.	98.0	%	40-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.5	ug/l	
		Dup Lab Fort Bl %Rec	95.6	%	40-160
		Lab Fort Blank Range	2.4	units	
		Lab Fort Bl. Av. Rec	96.8	%	
Dichlorodifluoromethane		LFB Duplicate RPD	2.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.9	ug/l	
		Lab Fort Blk. % Rec.	99.9	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.6	ug/l	
		Dup Lab Fort Bl %Rec	96.1	%	70-130
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	98.0	%	
		LFB Duplicate RPD	3.8	%	0-25
Bromochloromethane		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.5	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.2	%	70-130
		Lab Fort Blank Range	0.6	units	
		Lab Fort Bl. Av. Rec	101.8	%	
		LFB Duplicate RPD	0.6	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
Bromobenzene		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
Carbon Disulfide		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.6	ug/l	
		Lab Fort Blk. % Rec.	106.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 53 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	Carbon Disulfide	Dup Lab Fort Bl. Fnd	10.5	ug/l	
		Dup Lab Fort Bl %Rec	105.4	%	70-130
		Lab Fort Blank Range	1.0	units	
		Lab Fort Bl. Av. Rec	105.9	%	
		LFB Duplicate RPD	0.9	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.1	ug/l	
		Lab Fort Blk. % Rec.	101.4	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.9	ug/l	
		Dup Lab Fort Bl %Rec	99.6	%	70-160
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	100.5	%	
		LFB Duplicate RPD	1.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
	Diethyl Ether	Lab Fort Blk. Found	8.7	ug/l	
		Lab Fort Blk. % Rec.	87.3	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.8	ug/l	
		Dup Lab Fort Bl %Rec	88.4	%	70-130
		Lab Fort Blank Range	1.1	units	
		Lab Fort Bl. Av. Rec	87.8	%	
		LFB Duplicate RPD	1.2	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.3	ug/l	
	Bromodichloromethane	Lab Fort Blk. % Rec.	103.6	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.2	ug/l	
		Dup Lab Fort Bl %Rec	102.8	%	70-130
		Lab Fort Blank Range	0.8	units	
		Lab Fort Bl. Av. Rec	103.2	%	
		LFB Duplicate RPD	0.7	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	10.5	ug/l	
		Lab Fort Blk. % Rec.	105.5	%	70-130
	1,2-Dibromo-3-Chloropropane	Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	10.4	ug/l	
		Dup Lab Fort Bl %Rec	104.1	%	70-130
		Lab Fort Blank Range	1.4	units	
		Lab Fort Bl. Av. Rec	104.8	%	
		LFB Duplicate RPD	1.3	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	10.00	ug/l	
		Lab Fort Blk. Found	11.05	ug/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 54 of 65

QC Batch Number: GCMS/VOL-19438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78597	1,2-Dibromoethane	Lab Fort Blk. % Rec.	110.50	%	70-130
		Dup Lab Fort Bl Amt.	10.00	ug/l	
		Dup Lab Fort Bl. Fnd	11.01	ug/l	
		Dup Lab Fort Bl %Rec	110.10	%	70-130
		Lab Fort Blank Range	0.40	units	
		Lab Fort Bl. Av. Rec	110.30	%	
	Tetrahydrofuran	LFB Duplicate RPD	0.36	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	8.9	ug/l	
		Lab Fort Blk. % Rec.	89.4	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	8.9	ug/l	
	Diisopropyl Ether	Dup Lab Fort Bl %Rec	89.7	%	70-130
		Lab Fort Blank Range	0.2	units	
		Lab Fort Bl. Av. Rec	89.5	%	
		LFB Duplicate RPD	0.3	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
	tert-Butylethyl Ether	Lab Fort Blk. % Rec.	93.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.3	ug/l	
		Dup Lab Fort Bl %Rec	93.3	%	70-130
		Lab Fort Blank Range	0.1	units	
		Lab Fort Bl. Av. Rec	93.2	%	
	tert-Amylmethyl Ether	LFB Duplicate RPD	0.1	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.5	ug/l	
		Lab Fort Blk. % Rec.	95.1	%	70-160
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.7	ug/l	
		Dup Lab Fort Bl %Rec	97.5	%	70-160
		Lab Fort Blank Range	2.4	units	
		Lab Fort Bl. Av. Rec	96.3	%	
		LFB Duplicate RPD	2.4	%	0-25
		Lab Fort Blank Amt.	10.0	ug/l	
		Lab Fort Blk. Found	9.3	ug/l	
		Lab Fort Blk. % Rec.	93.2	%	70-130
		Dup Lab Fort Bl Amt.	10.0	ug/l	
		Dup Lab Fort Bl. Fnd	9.1	ug/l	
		Dup Lab Fort Bl %Rec	91.9	%	70-130
		Lab Fort Blank Range	1.2	units	
		Lab Fort Bl. Av. Rec	92.5	%	
		LFB Duplicate RPD	1.4	%	0-25



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 55 of 65

QC Batch Number: HG-8841

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00250	mg/l	
		MS Amt Measured	0.00246	mg/l	
		Matrix Spike % Rec.	98.40000	%	75-125
		MSD Amount Added	0.00250	mg/l	
		MSD Amt Measured	0.00250	mg/l	
		MSD % Recovery	100.00000	%	
		MSD Range	1.60000	units	
		MS Duplicate RPD	1.61290	%	0-20
BLANK-116927	Mercury	Blank	<0.00010	mg/l	
LFBLANK-78493	Mercury	Lab Fort Blank Amt.	0.00250	mg/l	
		Lab Fort Blk. Found	0.00239	mg/l	
		Lab Fort Blk. % Rec.	95.60000	%	85-115
		Dup Lab Fort Bl Amt.	0.00250	mg/l	
		Dup Lab Fort Bl. Fnd	0.00241	mg/l	
		Dup Lab Fort Bl %Rec	96.80000	%	
		Lab Fort Blank Range	1.20000	units	
		Lab Fort Bl. Av. Rec	96.20000	%	
		LFB Duplicate RPD	1.24740	%	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 56 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Silver	Sample Amount	<0.003	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	1.804	mg/l	
		Matrix Spike % Rec.	90.210	%	
		MSD Amount Added	2.000	mg/l	
		MSD Amt Measured	1.784	mg/l	
		MSD % Recovery	89.240	%	
		MSD Range	0.970	units	
		MS Duplicate RPD	1.081	%	0-20
	Arsenic	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	2.057	mg/l	
		Matrix Spike % Rec.	102.855	%	70-130
		MSD Amount Added	2.000	mg/l	
		MSD Amt Measured	2.092	mg/l	
		MSD % Recovery	104.620	%	
		MSD Range	1.765	units	
		MS Duplicate RPD	1.701	%	0-20
	Barium	Sample Amount	0.1307	mg/l	
		Duplicate Value	0.1328	mg/l	
		Duplicate RPD	1.5362	%	0-20
		Sample Amount	0.1307	mg/l	
		Matrix Spk Amt Added	2.0000	mg/l	
		MS Amt Measured	2.2228	mg/l	
		Matrix Spike % Rec.	104.6012	%	70-130
		MSD Amount Added	2.0000	mg/l	
		MSD Amt Measured	2.2306	mg/l	
	Beryllium	MSD % Recovery	104.9912	%	
		MSD Range	0.3899	units	
		MS Duplicate RPD	0.3502	%	0-20
		Sample Amount	<0.0020	mg/l	
		Matrix Spk Amt Added	2.0000	mg/l	
		MS Amt Measured	2.1044	mg/l	
		Matrix Spike % Rec.	105.2200	%	70-130
		MSD Amount Added	2.0000	mg/l	
		MSD Amt Measured	2.0731	mg/l	
	Cadmium	MSD % Recovery	103.6550	%	
		MSD Range	1.5649	units	
		MS Duplicate RPD	1.4985	%	0-20
		Sample Amount	<0.0025	mg/l	
		Matrix Spk Amt Added	2.0000	mg/l	
		MS Amt Measured	1.9700	mg/l	
		Matrix Spike % Rec.	98.5000	%	70-130



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 57 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Cadmium	MSD Amount Added	2.0000	mg/l	
		MSD Amt Measured	1.9768	mg/l	
		MSD % Recovery	98.8400	%	
		MSD Range	0.3400	units	
		MS Duplicate RPD	0.3445	%	0-20
	Chromium	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	2.133	mg/l	
		Matrix Spike % Rec.	106.685	%	70-130
		MSD Amount Added	2.000	mg/l	
		MSD Amt Measured	2.120	mg/l	
		MSD % Recovery	106.020	%	
		MSD Range	0.664	units	
		MS Duplicate RPD	0.625	%	0-20
		Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	2.015	mg/l	
	Nickel	Matrix Spike % Rec.	100.790	%	70-130
		MSD Amount Added	2.000	mg/l	
		MSD Amt Measured	2.024	mg/l	
		MSD % Recovery	101.215	%	
		MSD Range	0.425	units	
		MS Duplicate RPD	0.420	%	0-20
		Sample Amount	<0.0075	mg/l	
		Matrix Spk Amt Added	2.0000	mg/l	
		MS Amt Measured	1.9459	mg/l	
		Matrix Spike % Rec.	97.2950	%	70-130
		MSD Amount Added	2.0000	mg/l	
		MSD Amt Measured	1.9715	mg/l	
	Lead	MSD % Recovery	98.5750	%	
		MSD Range	1.2800	units	
		MS Duplicate RPD	1.3069	%	0-20
		Sample Amount	<0.04	mg/l	
		Matrix Spk Amt Added	2.00	mg/l	
		MS Amt Measured	2.09	mg/l	
		Matrix Spike % Rec.	104.84	%	70-130
		MSD Amount Added	2.00	mg/l	
		MSD Amt Measured	2.11	mg/l	
		MSD % Recovery	105.90	%	
		MSD Range	1.06	units	
		MS Duplicate RPD	1.01	%	0-20
	Selenium	Sample Amount	<0.05	mg/l	
		Matrix Spk Amt Added	2.00	mg/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 58 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B14953	Selenium	MS Amt Measured	1.96	mg/l	
		Matrix Spike % Rec.	98.40	%	70-130
		MSD Amount Added	2.00	mg/l	
		MSD Amt Measured	2.01	mg/l	
		MSD % Recovery	100.51	%	
		MSD Range	2.11	units	
		MS Duplicate RPD	2.12	%	0-20
		Sample Amount	<0.03	mg/l	
	Thallium	Matrix Spk Amt Added	2.00	mg/l	
		MS Amt Measured	1.97	mg/l	
		Matrix Spike % Rec.	98.70	%	70-130
		MSD Amount Added	2.00	mg/l	
		MSD Amt Measured	1.96	mg/l	
		MSD % Recovery	98.34	%	
		MSD Range	0.36	units	
		MS Duplicate RPD	0.37	%	0-20
	Vanadium	Sample Amount	<0.025	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	2.027	mg/l	
		Matrix Spike % Rec.	101.360	%	70-130
		MSD Amount Added	2.000	mg/l	
		MSD Amt Measured	2.034	mg/l	
		MSD % Recovery	101.720	%	
		MSD Range	0.360	units	
	Zinc	MS Duplicate RPD	0.354	%	0-20
		Sample Amount	0.020	mg/l	
		Duplicate Value	0.020	mg/l	
		Duplicate RPD	1.934	%	0-20
		Sample Amount	0.020	mg/l	
		Matrix Spk Amt Added	2.000	mg/l	
		MS Amt Measured	1.990	mg/l	
		Matrix Spike % Rec.	98.489	%	70-130
MSD Amount Added		2.000	mg/l		
MSD Amt Measured		2.003	mg/l		
MSD % Recovery		99.134	%		
MSD Range		0.645	units		
MS Duplicate RPD	0.646	%	0-20		
BLANK-116913					
Silver	Blank	<0.003	mg/l		
Arsenic	Blank	<0.005	mg/l		
Barium	Blank	<0.0500	mg/l		
Beryllium	Blank	<0.0020	mg/l		
Cadmium	Blank	<0.0025	mg/l		



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 59 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-116913					
	Chromium	Blank	<0.005	mg/l	
	Nickel	Blank	<0.005	mg/l	
	Lead	Blank	<0.0075	mg/l	
	Antimony	Blank	<0.04	mg/l	
	Selenium	Blank	<0.05	mg/l	
	Thallium	Blank	<0.03	mg/l	
	Vanadium	Blank	<0.025	mg/l	
	Zinc	Blank	<0.010	mg/l	
LFBLANK-78482					
	Silver	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.936	mg/l	
		Lab Fort Blk. % Rec.	96.830	%	
		Dup Lab Fort Bl Amt.	2.000	mg/l	
		Dup Lab Fort Bl. Fnd	1.941	mg/l	
		Dup Lab Fort Bl %Rec	97.070	%	85-115
		Lab Fort Blank Range	0.240	units	
		Lab Fort Bl. Av. Rec	96.950	%	
		LFB Duplicate RPD	0.247	%	0-20
	Arsenic	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	2.036	mg/l	
		Lab Fort Blk. % Rec.	101.805	%	85-115
		Dup Lab Fort Bl Amt.	2.000	mg/l	
		Dup Lab Fort Bl. Fnd	2.020	mg/l	
		Dup Lab Fort Bl %Rec	101.005	%	85-115
		Lab Fort Blank Range	0.799	units	
		Lab Fort Bl. Av. Rec	101.405	%	
		LFB Duplicate RPD	0.788	%	0-20
	Barium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	2.1027	mg/l	
		Lab Fort Blk. % Rec.	105.1350	%	85-115
		Dup Lab Fort Bl Amt.	2.0000	mg/l	
		Dup Lab Fort Bl. Fnd	2.1187	mg/l	
		Dup Lab Fort Bl %Rec	105.9400	%	85-115
		Lab Fort Blank Range	0.8050	units	
		Lab Fort Bl. Av. Rec	105.5375	%	
		LFB Duplicate RPD	0.7627	%	0-20
	Beryllium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	2.0448	mg/l	
		Lab Fort Blk. % Rec.	102.2400	%	85-115
		Dup Lab Fort Bl Amt.	2.0000	mg/l	
		Dup Lab Fort Bl. Fnd	2.1067	mg/l	
		Dup Lab Fort Bl %Rec	105.3350	%	85-115
		Lab Fort Blank Range	3.0950	units	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 60 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78482	Beryllium	Lab Fort Bl. Av. Rec	103.7875	%	
		LFB Duplicate RPD	2.9820	%	0-20
	Cadmium	Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.9555	mg/l	
		Lab Fort Blk. % Rec.	97.7750	%	85-115
		Dup Lab Fort Bl Amt.	2.0000	mg/l	
		Dup Lab Fort Bl. Fnd	1.9519	mg/l	
		Dup Lab Fort Bl %Rec	97.5950	%	85-115
		Lab Fort Blank Range	0.1800	units	
		Lab Fort Bl. Av. Rec	97.6850	%	
		LFB Duplicate RPD	0.1842	%	0-20
	Chromium	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	2.147	mg/l	
		Lab Fort Blk. % Rec.	107.395	%	85-115
		Dup Lab Fort Bl Amt.	2.000	mg/l	
		Dup Lab Fort Bl. Fnd	2.133	mg/l	
		Dup Lab Fort Bl %Rec	106.690	%	85-115
		Lab Fort Blank Range	0.705	units	
		Lab Fort Bl. Av. Rec	107.042	%	
		LFB Duplicate RPD	0.658	%	0-20
	Nickel	Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	2.057	mg/l	
		Lab Fort Blk. % Rec.	102.875	%	85-115
		Dup Lab Fort Bl Amt.	2.000	mg/l	
		Dup Lab Fort Bl. Fnd	2.038	mg/l	
		Dup Lab Fort Bl %Rec	101.940	%	85-115
		Lab Fort Blank Range	0.935	units	
		Lab Fort Bl. Av. Rec	102.407	%	
	Lead	LFB Duplicate RPD	0.913	%	0-20
		Lab Fort Blank Amt.	2.0000	mg/l	
		Lab Fort Blk. Found	1.9488	mg/l	
		Lab Fort Blk. % Rec.	97.4400	%	85-115
		Dup Lab Fort Bl Amt.	2.0000	mg/l	
		Dup Lab Fort Bl. Fnd	1.9498	mg/l	
		Dup Lab Fort Bl %Rec	97.4900	%	85-115
		Lab Fort Blank Range	0.0499	units	
	Antimony	Lab Fort Bl. Av. Rec	97.4650	%	
		LFB Duplicate RPD	0.0513	%	0-20
		Lab Fort Blank Amt.	2.00	mg/l	
		Lab Fort Blk. Found	2.06	mg/l	
		Lab Fort Blk. % Rec.	103.02	%	85-115
		Dup Lab Fort Bl Amt.	2.00	mg/l	
		Dup Lab Fort Bl. Fnd	2.04	mg/l	



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat # : LIMIT-15505

Page 61 of 65

QC Batch Number: ICP-18935

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-78482					
Antimony		Dup Lab Fort BI %Rec	102.45	%	85-115
		Lab Fort Blank Range	0.57	units	
		Lab Fort BI. Av. Rec	102.74	%	
		LFB Duplicate RPD	0.55	%	0-20
	Selenium	Lab Fort Blank Amt.	2.00	mg/l	
		Lab Fort Blk. Found	1.95	mg/l	
		Lab Fort Blk. % Rec.	97.77	%	85-115
		Dup Lab Fort BI Amt.	2.00	mg/l	
		Dup Lab Fort BI. Fnd	1.96	mg/l	
		Dup Lab Fort BI %Rec	98.12	%	85-115
		Lab Fort Blank Range	0.34	units	
		Lab Fort BI. Av. Rec	97.94	%	
		LFB Duplicate RPD	0.35	%	0-20
	Thallium	Lab Fort Blank Amt.	2.00	mg/l	
		Lab Fort Blk. Found	1.92	mg/l	
		Lab Fort Blk. % Rec.	96.43	%	85-115
		Dup Lab Fort BI Amt.	2.00	mg/l	
		Dup Lab Fort BI. Fnd	1.95	mg/l	
		Dup Lab Fort BI %Rec	97.74	%	85-115
		Lab Fort Blank Range	1.31	units	
		Lab Fort BI. Av. Rec	97.08	%	
	Vanadium	LFB Duplicate RPD	1.35	%	0-20
		Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.994	mg/l	
		Lab Fort Blk. % Rec.	99.720	%	85-115
		Dup Lab Fort BI Amt.	2.000	mg/l	
		Dup Lab Fort BI. Fnd	1.996	mg/l	
		Dup Lab Fort BI %Rec	99.835	%	85-115
		Lab Fort Blank Range	0.115	units	
	Zinc	Lab Fort BI. Av. Rec	99.777	%	
		LFB Duplicate RPD	0.115	%	0-20
		Lab Fort Blank Amt.	2.000	mg/l	
		Lab Fort Blk. Found	1.974	mg/l	
		Lab Fort Blk. % Rec.	98.730	%	85-115
		Dup Lab Fort BI Amt.	2.000	mg/l	
		Dup Lab Fort BI. Fnd	1.955	mg/l	
		Dup Lab Fort BI %Rec	97.795	%	85-115
		Lab Fort Blank Range	0.934	units	
		Lab Fort BI. Av. Rec	98.262	%	
		LFB Duplicate RPD	0.951	%	0-20



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 62 of 65

NOTES:

QC Batch No. : GCMS/SEMI-10756

Sample ID : 08B14953

Analysis : 2,4-Dimethylphenol

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-10756

Sample ID : 08B14953

Analysis : 3,3-Dichlorobenzidine

MATRIX SPIKE DUPLICATE RPD IS OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION IS ANTICIPATED FOR REPORTED RESULT FOR THIS COMPOUND IN THIS SAMPLE.

QC Batch No. : GCMS/SEMI-10756

Sample ID : 08B14953

Analysis : 4-Nitrophenol

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS. ANALYSIS IS IN CONTROL BASED ON LABORATORY FORTIFIED BLANK RECOVERY. POSSIBILITY OF SAMPLE MATRIX EFFECTS THAT LEAD TO LOW BIAS FOR REPORTED RESULT CANNOT BE ELIMINATED.

QC Batch No. : GCMS/SEMI-10756

Sample ID : 08B14953

Analysis : Aniline

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-10756

Sample ID : 08B14953

Analysis : Phenol

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/VOL-19438

Sample ID : LFBLANK-78597

Analysis : 1,2,3-Trichlorobenzene

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No. : GCMS/VOL-19438

Sample ID : LFBLANK-78597

Analysis : Bromoform

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 63 of 65

QC Batch No.: GCMS/VOL-19438

Sample ID: LFBLANK-78597

Analysis: Bromomethane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. DATA VALIDATION IS NOT AFFECTED SINCE ALL RESULTS ARE "NOT DETECTED" FOR ALL SAMPLES IN THIS BATCH FOR THIS COMPOUND AND BIAS IS ON THE HIGH SIDE.

QC Batch No.: GCMS/VOL-19438

Sample ID: LFBLANK-78597

Analysis: n-Butylbenzene

EITHER LABORATORY FORTIFIED BLANK OR DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT THE OTHER IS WITHIN LIMITS. ANALYSIS IS IN CONTROL.

QC Batch No.: GC/FID-21090

Sample ID: LFBLANK-78685

Analysis: n-Nonane

LABORATORY FORTIFIED BLANK RECOVERY OUTSIDE OF CONTROL LIMITS. ANY REPORTED RESULT FOR THIS COMPOUND IN THIS BATCH IS LIKELY TO BE BIASED ON THE LOW SIDE.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: 4-Bromophenyl phenyl ether

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Anthracene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Benzo(a)pyrene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Benzo(g,h,i)perylene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Bis(2-ethylhexyl)phthalate

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 64 of 65

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Butylbenzylphthalate

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Chrysene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Di-n-octylphthalate

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Dibenzo(a,h)anthracene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Fluoranthene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Hexachlorobenzene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Phenanthrene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

QC Batch No.: GCMS/SEMI-10756

Sample ID: LFBLANK-78703

Analysis: Pyrene

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.



39 Spruce Street ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 5/9/2008

Lims Bat #: LIMIT-15505

Page 65 of 65

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken through all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: CON-TEST Analytical Laboratory				Project #: L1MT-15505	
Project Location: 29 ELM STREET, SALISBURY, MA				MADEP RTN ¹ :	
This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)] 08B14947-08B14955					
Sample Matrices: ☒ Groundwater ☐ Soil/Sediment ☐ Drinking Water ☐ Other: _____					
MCP SW-846 Methods Used	8260B ☒	8151A ()	8330 ()	6010B ☒	7470A/1A ☒
	8270C ☒	8081A ()	VPH ☒	6020 ()	9014M ² ()
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ()	8021B ()	EPH ☒	7000 S ³ ()	7196A ()
	¹ List Release Tracking Number (RTN), if known ² M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method ³ S – SW-846 Methods 7000 Series List individual method and analyte.				
An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status					
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?			☒ Yes ☐ No ¹	
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?			☒ Yes ☐ No ¹	
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?			☒ Yes ☐ No ¹	
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?			☒ Yes ☐ No ¹	
A response to questions E and F below is required for "Presumptive Certainty" status					
E	Were all analytical QC performance standards and recommendations for the specified methods achieved?			☐ Yes ☒ No ¹	
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?			☒ Yes ☐ No ¹	
¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.					
Signature: <u>Edward Denson</u>			Position: Technical Director		
Printed Name: Edward Denson			Date: <u>5/7/08</u>		

Frac. Check Gilson Fractionator (FCS)

Silica Lot: S212-34 Vendor: PHENOMENEX
Frac Check Lot: 040308 PJG Amount of DCM collected: 5000 ul
Hexane Lot: 48031 Amount of Hexane collected: 1500 ul
DCM Lot: 48011
Acetone Lot: 48011 Data File: 040303 B088 D

Compound	Conc.(ppm)	1500ul	% REC	Limits
Naphthalene	50	42.134	84%	40-140
2-Methylnaphthalene	50	45.351	91%	40-140
Acenaphthalene	50	46.426	93%	40-140
Acenaphthene	50	48.847	98%	40-140
Fluorene	50	46.780	94%	40-140
Phenanthrene	50	47.263	95%	40-140
Anthracene	50	49.241	98%	40-140
o-Terphenyl (sum)	50	47.724	95%	40-140
Fluoranthene	50	46.794	93%	40-140
Pyrene	50	50.445	101%	40-140
Benzo(a)anthracene	50	49.484	99%	40-140
Chrysene	50	51.073	102%	40-140
Benzo(b)fluoranthene	50	48.142	96%	40-140
Benzo(k)fluoranthene	50	49.764	100%	40-140
Benzo(a)pyrene	50	49.565	99%	40-140
Indeno(123cd)pyrene	50	45.911	92%	40-140
Dibenzo(ah)anthracene	50	49.095	98%	40-140
Benzo(ghi)perylene	50	48.134	96%	40-140
C9	50	38.967	78%	30-140
C10	50	41.277	83%	40-140
C12	50	44.207	88%	40-140
C14	50	43.780	88%	40-140
C16	50	45.787	92%	40-140
C18	50	47.178	94%	40-140
C19	50	47.236	94%	40-140
C20	50	48.008	96%	40-140
1-Chlorooctadecane (sum)	50	40.278	81%	40-140
C22	50	46.447	93%	40-140
C24	50	48.823	98%	40-140
C26	50	42.960	86%	40-140
C28	50	42.960	86%	40-140
C30	50	43.243	86%	40-140
C36	50	45.682	91%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50	49.341	99%	40-140
2-Bromonaphthalene	50	42.830	86%	40-140
Aliphatic Bleed thru			% (<5%)	
Naphthalene	0		0.000	
2-Methylnaphthalene	0		0.000	



www.contestlabs.com

39 Spruce Street
East Longmeadow, MA
Phone: 1-413-525-2332
Fax: 1-413-525-6405

SAMPLE RECEIPT CHECKLIST

CLIENT NAME: TRC

RECEIVED BY: CE

DATE: 4/28/08

1. Was chain of custody relinquished and signed?

YES

NO

2. Does Chain agree with samples?

YES

NO

If not, explain:

3. All Samples in good condition?

YES

NO

If not, explain:

4. Were samples received in compliance with
Temperature 0-6 degrees C?

YES

3°C ^{AP} NO

Degrees by temp
blank

5. Are there any dissolved samples for the lab to filter?

YES

NO

Degrees by temp
gun

Who was notified?

Date:

Time:

6. Are there any on hold samples?

YES

NO

STORED WHERE:

7. ARE THERE ANY RUSH OR SHORT HOLDING TIME SAMPLES? WHO WAS
NOTIFIED? DATE TIME

8. Location where samples are stored:

1B 1D
Log in Cart

Permission to sub-contract samples? Yes No (circle)
(Walk in clients only) if not already approved.
Client Signature

CONTAINERS SENT IN TO CON-TEST	# of container	CONTAINERS SENT TO CON-TEST	# of containers
1 liter amber	<u>7</u> ^{new}	Air Cassettes	
500 ml amber		8 oz clear jar	
250 ml amber (8oz. Amber)		4 oz clear jar	
1 liter plastic		2 oz clear jar	
500 ml plastic		Plastic bag	
250 ml plastic	<u>2</u> ^{new}	Encore	
40 ml vial—which kind—list below	<u>22</u>	Brass Sleeves	
Colisure bottle		Tubes	
Dissolved oxygen bottle		Summa cans	
Flashpoint bottle		Other	

Laboratory comments:

Client call: need GW status
GW-2
new 4/28/08
AP

of HCL Vial # of Methanol vials # of Sodium Bisulfate vials

of DI water(to be frozen) vials Time and Date when frozen

Do all the samples have the correct pH levels? YES NO If no, please explain above

2010 Lab Reports

June 23, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 29 Elm St., Salisbury, MA
Client Job Number:
Project Number: 170023
Laboratory Work Order Number: 10F0414

Enclosed are results of analyses for samples received by the laboratory on June 15, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 6/23/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-107 (0-2/2')	10F0414-01	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
TP-107 (3-4/4')	10F0414-02	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
TP-109 (5-6/6')	10F0414-03	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
TP-109 (0-3/2')	10F0414-04	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
TP-108 (0-3/2')	10F0414-05	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 6/23/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-108 (4-5/4')	10F0414-06	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
B-5 (3-4/4')	10F0414-07	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
TP-106 (0-3/2')	10F0414-08	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
DUP-3 (0-3/2')	10F0414-09	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	
B-6 (3-4/4')	10F0414-10	Soil		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8260B SW-846 8270C	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 6/23/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-104 (0-2/2')	10F0414-11	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
TP-105 (0-1/0.5')	10F0414-12	Soil		SW-846 8270C	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
TP-103 (0-1/0.5')	10F0414-13	Soil		SW-846 8260B	
				SW-846 8270C	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
TP-102 (0-2/0.5')	10F0414-14	Soil		SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
TP-101 (0-1/1')	10F0414-15	Soil		SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	
				SM 2540G	
				SW-846 6010B	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 6/23/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0414

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP-4 (0-2/0.5')	10F0414-16	Soil		SM 2540G SW-846 6010B SW-846 7471A SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	
Trip Blank	10F0414-17	Trip Blank Soil		MADEP-VPH-04-1.1 SW-846 8260B	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, true Be hits for samples 10F0414-01 - 15 were confirmed by method 7000.

For method MA VPH, only carbon ranges were requested and reported.

For method MA EPH, only carbon ranges were requested and reported.

For methods 8081, 8082, MA EPH, 8270, CAM RLs not met for some compounds due to sample dilution for high target analytes.

MADEP-EPH-04-1.1**Qualifications:**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Fluoranthene, Phenanthrene, Pyrene, Unadjusted C11-C22 Aromatics**B015057-MS1, B015057-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, C19-C36 Aliphatics, Chrysene**B015057-MS1, B015057-MSD1

MADEP-VPH-04-1.1**Qualifications:**

Soil/methanol ratio does not meet method specifications. Excess amount of soil. Sample was completely covered with methanol, but with less than the method-specified amount.

Analyte & Samples(s) Qualified:10F0414-05[TP-108 (0-3/2')], 10F0414-06[TP-108 (4-5/4')]

Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.

Analyte & Samples(s) Qualified:**2,5-Dibromotoluene (FID), 2,5-Dibromotoluene (PID)**B015023-BSD1

SW-846 6010B**Qualifications:**

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:**Antimony**10F0414-13[TP-103 (0-1/0.5')], B015085-MSD1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Barium, Lead, Zinc**10F0414-13[TP-103 (0-1/0.5')], B015085-MS1, B015085-MSD1

SW-846 8082**Qualifications:**

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:**Aroclor-1254, Aroclor-1254 [2C]**10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-15[TP-101 (0-1/1')]

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**2-Butanone (MEK), Acetone, Bromoform, Chlorodibromomethane**

B015026-BS1, B015026-BSD1, B015026-MS1, B015028-BS1, B015028-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Bromomethane**

10F0414-01[TP-107 (0-2/2')], 10F0414-02[TP-107 (3-4/4')], 10F0414-03[TP-109 (5-6/6')], 10F0414-04[TP-109 (0-3/2')], 10F0414-05[TP-108 (0-3/2')], 10F0414-06[TP-108 (4-5/4')], 10F0414-07[B-5 (3-4/4')], 10F0414-08[TP-106 (0-3/2')], 10F0414-09[DUP-3 (0-3/2')], 10F0414-10[B-6 (3-4/4')], 10F0414-11[TP-104 (0-2/2')], 10F0414-17[Trip Blank], B015026-BLK1, B015026-BS1, B015026-BSD1, B015026-MS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**2-Hexanone (MBK), Naphthalene**

B015026-BSD1

Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**Bromomethane**

10F0414-01[TP-107 (0-2/2')], B015026-MS1

Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.

Analyte & Samples(s) Qualified:**2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Acetone, Dichlorodifluoromethane (Freon 12), Diethyl Ether, Methylene Chloride, Vinyl Chloride**

B015026-MS1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**2-Butanone (MEK), 2-Hexanone (MBK), Acetone**

10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-14[TP-102 (0-2/0.5')], 10F0414-15[TP-101 (0-1/1')], 10F0414-16[DUP-4 (0-2/0.5')], B015028-BLK1, B015028-BS1, B015028-BSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Dichlorodifluoromethane (Freon 12)**

10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-14[TP-102 (0-2/0.5')], 10F0414-15[TP-101 (0-1/1')], 10F0414-16[DUP-4 (0-2/0.5')], B015028-BLK1, B015028-BS1, B015028-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Bromoform, Bromomethane, Chlorodibromomethane**

B015028-BS1, B015028-BSD1, B015026-BS1, B015026-BSD1, B015026-MS1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane, 2-Butanone (MEK), Acetone, Tetrahydrofuran**

10F0414-01[TP-107 (0-2/2')], 10F0414-02[TP-107 (3-4/4')], 10F0414-03[TP-109 (5-6/6')], 10F0414-04[TP-109 (0-3/2')], 10F0414-05[TP-108 (0-3/2')], 10F0414-06[TP-108 (4-5/4')], 10F0414-07[B-5 (3-4/4')], 10F0414-08[TP-106 (0-3/2')], 10F0414-09[DUP-3 (0-3/2')], 10F0414-10[B-6 (3-4/4')], 10F0414-11[TP-104 (0-2/2')], 10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-14[TP-102 (0-2/0.5')], 10F0414-15[TP-101 (0-1/1')], 10F0414-16[DUP-4 (0-2/0.5')], 10F0414-17[Trip Blank], B015026-BLK1, B015026-BS1, B015026-BSD1, B015026-MS1, B015028-BLK1, B015028-BS1, B015028-BSD1

SW-846 8270C

Qualifications:

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**3,3-Dichlorobenzidine, 4-Chloroaniline, Aniline, Benzo(g,h,i)perylene, Butylbenzylphthalate, Dibenz(a,h)anthracene**

10F0414-13[TP-103 (0-1/0.5')], B015083-MS1, B015083-MSD1, 10F0414-13RE1[TP-103 (0-1/0.5')]

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:**2,4-Dimethylphenol, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Bis(2-Ethylhexyl)phthalate, Chrysene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, Pyrene**

B015083-MSD1, B015083-MS1

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**1,2-Diphenylhydrazine (as Azobenzene), Acenaphthene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Phenanthrene**

10F0414-13[TP-103 (0-1/0.5')], B015083-MS1, B015083-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**1,2-Diphenylhydrazine (as Azobenzene), Benzo(g,h,i)perylene, Bis(2-chloroethyl)ether, Butylbenzylphthalate, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene**

10F0414-01[TP-107 (0-2/2')], 10F0414-02[TP-107 (3-4/4')], 10F0414-03[TP-109 (5-6/6')], 10F0414-04[TP-109 (0-3/2')], 10F0414-08[TP-106 (0-3/2')], 10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-14[TP-102 (0-2/0.5')], 10F0414-15[TP-101 (0-1/1')], 10F0414-16[DUP-4 (0-2/0.5')], B015083-BS1, B015083-BSD1, B015083-MS1, B015083-MSD1, 10F0414-11[TP-104 (0-2/2')]

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

10F0414-01[TP-107 (0-2/2')], 10F0414-02[TP-107 (3-4/4')], 10F0414-03[TP-109 (5-6/6')], 10F0414-04[TP-109 (0-3/2')], 10F0414-08[TP-106 (0-3/2')], 10F0414-11[TP-104 (0-2/2')], 10F0414-12[TP-105 (0-1/0.5')], 10F0414-13[TP-103 (0-1/0.5')], 10F0414-14[TP-102 (0-2/0.5')], 10F0414-15[TP-101 (0-1/1')], 10F0414-16[DUP-4 (0-2/0.5')], B015083-BLK1, B015083-BS1, B015083-BSD1, B015083-MS1, B015083-MSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly in methanol with a soil/methanol ratio of 1:1 +/- 25% completely covered by methanol in the proper containers specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, methylene chloride, and tert-butylbenzene, bromomethane.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Bromomethane	ND	0.0074	mg/Kg dry	1	L-04, MS-08	SW-846 8260B	6/16/10	6/16/10 8:23	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Chlorodibromomethane	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Chloromethane	ND	0.0074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,3-Dichloropropane	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
cis-1,3-Dichloropropene	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
trans-1,3-Dichloropropene	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Diethyl Ether	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Diisopropyl Ether (DIPE)	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,4-Dioxane	ND	0.074	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.00074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Tetrahydrofuran	ND	0.0074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
Vinyl Chloride	ND	0.0074	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:23	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	97.4	70-130	
4-Bromofluorobenzene	98.7	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Acenaphthylene	0.25	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Anthracene	0.57	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Benzo(a)anthracene	2.9	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Benzo(a)pyrene	2.4	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Benzo(b)fluoranthene	3.3	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Benzo(g,h,i)perylene	1.2	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Benzo(k)fluoranthene	1.4	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Bis(2-Ethylhexyl)phthalate	4.0	1.8	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 15:16	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Chrysene	2.6	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Dibenz(a,h)anthracene	0.38	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Fluoranthene	3.6	0.92	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 15:16	BGL
Fluorene	0.20	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Indeno(1,2,3-cd)pyrene	1.4	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Phenanthrene	2.2	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Pyrene	3.4	0.92	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 15:16	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:04	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	58.2		30-130				6/21/10 15:16		
2-Fluorophenol	73.3		30-130				6/20/10 18:04		
Phenol-d6	61.6		30-130				6/21/10 15:16		
Phenol-d6	64.1		30-130				6/20/10 18:04		
Nitrobenzene-d5	63.5		30-130				6/20/10 18:04		
Nitrobenzene-d5	51.8		30-130				6/21/10 15:16		
2-Fluorobiphenyl	49.7		30-130				6/21/10 15:16		
2-Fluorobiphenyl	67.7		30-130				6/20/10 18:04		
2,4,6-Tribromophenol	62.3		30-130				6/21/10 15:16		
2,4,6-Tribromophenol	72.5		30-130				6/20/10 18:04		
Terphenyl-d14	53.9		30-130				6/21/10 15:16		
Terphenyl-d14	61.6		30-130				6/20/10 18:04		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	22	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:43	CJM
C19-C36 Aliphatics	24	22	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:43	CJM
Unadjusted C11-C22 Aromatics	210	22	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:43	CJM
C11-C22 Aromatics	140	22	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:43	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	82.6		40-140				6/18/10 21:43		
o-Terphenyl (OTP)	81.5		40-140				6/18/10 21:43		
2-Bromonaphthalene	96.9		40-140				6/18/10 21:43		
2-Fluorobiphenyl	93.6		40-140				6/18/10 21:43		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.83

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:12	EEH
C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:12	EEH
Unadjusted C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:12	EEH
C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:12	EEH
C9-C10 Aromatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:12	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	102		70-130				6/17/10 17:12		
2,5-Dibromotoluene (PID)	99.8		70-130				6/17/10 17:12		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Arsenic	6.0	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Barium	47	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Beryllium	1.9	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 12:22	OP
Cadmium	1.6	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Chromium	8.9	0.54	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Lead	39	0.81	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Mercury	0.14	0.024	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:41	MPF
Nickel	5.2	0.54	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Vanadium	9.4	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH
Zinc	74	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:26	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (0-2/2')

Sampled: 6/15/2010 09:20

Sample ID: 10F0414-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.4		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 8:48	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Carbon Disulfide	ND	0.0060	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Chlorodibromomethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2-Dibromoethane (EDB)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
cis-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
trans-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Diisopropyl Ether (DIPE)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,4-Dioxane	ND	0.099	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 8:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	102	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	96.3	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Bis(2-Ethylhexyl)phthalate	0.75	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Butylbenzylphthalate	ND	0.84	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
4-Chloroaniline	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Dimethylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4-Dinitrophenol	ND	0.84	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Di-n-octylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
4-Nitrophenol	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 18:39	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	95.6		30-130				6/20/10 18:39		
Phenol-d6	81.3		30-130				6/20/10 18:39		
Nitrobenzene-d5	83.1		30-130				6/20/10 18:39		
2-Fluorobiphenyl	61.4		30-130				6/20/10 18:39		
2,4,6-Tribromophenol	75.0		30-130				6/20/10 18:39		
Terphenyl-d14	67.7		30-130				6/20/10 18:39		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:23	CJM
C19-C36 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:23	CJM
Unadjusted C11-C22 Aromatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:23	CJM
C11-C22 Aromatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 21:23	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	80.5	40-140							
o-Terphenyl (OTP)	81.0	40-140							
2-Bromonaphthalene	106	40-140							
2-Fluorobiphenyl	102	40-140							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.09

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:49	EEH
C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:49	EEH
Unadjusted C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:49	EEH
C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:49	EEH
C9-C10 Aromatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 17:49	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	116		70-130				6/17/10 17:49		
2,5-Dibromotoluene (PID)	117		70-130				6/17/10 17:49		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Arsenic	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Barium	30	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH
Beryllium	2.4	0.32	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 12:42	OP
Cadmium	0.49	0.32	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Chromium	11	0.63	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH
Lead	6.3	0.95	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:42	MPF
Nickel	5.6	0.63	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:31	KSH
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH
Vanadium	11	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH
Zinc	27	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:30	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-107 (3-4/4')

Sampled: 6/15/2010 09:40

Sample ID: 10F0414-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.7		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 9:14	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
trans-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Diisopropyl Ether (DIPE)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,4-Dioxane	ND	0.079	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	98.5	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:14	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	98.8	30-130							
Phenol-d6	85.8	30-130							
Nitrobenzene-d5	86.4	30-130							
2-Fluorobiphenyl	81.8	30-130							
2,4,6-Tribromophenol	77.8	30-130							
Terphenyl-d14	69.9	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 19:40	CJM
C19-C36 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 19:40	CJM
Unadjusted C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 19:40	CJM
C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 19:40	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	85.0	40-140						6/18/10 19:40	
o-Terphenyl (OTP)	79.2	40-140						6/18/10 19:40	
2-Bromonaphthalene	95.3	40-140						6/18/10 19:40	
2-Fluorobiphenyl	92.7	40-140						6/18/10 19:40	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.03

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 18:26	EEH
C5-C8 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 18:26	EEH
Unadjusted C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 18:26	EEH
C9-C12 Aliphatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 18:26	EEH
C9-C10 Aromatics	ND	15	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 18:26	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	114		70-130				6/17/10 18:26		
2,5-Dibromotoluene (PID)	113		70-130				6/17/10 18:26		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Barium	17	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Beryllium	2.2	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 12:46	OP
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Chromium	9.6	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Lead	3.4	0.92	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Mercury	ND	0.015	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:44	MPF
Nickel	6.0	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Vanadium	10	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH
Zinc	16	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:35	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (5-6/6')

Sampled: 6/15/2010 10:35

Sample ID: 10F0414-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.6		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Bromomethane	ND	0.0075	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 9:39	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Carbon Disulfide	ND	0.0045	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Chlorodibromomethane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Chloromethane	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,3-Dichloropropane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
cis-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
trans-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Diethyl Ether	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Diisopropyl Ether (DIPE)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,4-Dioxane	ND	0.075	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Tetrahydrofuran	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
Vinyl Chloride	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 9:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	99.4	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Acenaphthylene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Acetophenone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Benzo(a)anthracene	0.54	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Benzo(a)pyrene	0.54	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Benzo(b)fluoranthene	0.79	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Benzo(g,h,i)perylene	0.27	0.23	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Benzo(k)fluoranthene	0.29	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Bis(2-Ethylhexyl)phthalate	4.4	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Butylbenzylphthalate	ND	0.88	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
4-Chloroaniline	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Chrysene	0.48	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Dibenz(a,h)anthracene	ND	0.23	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
1,2-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
1,3-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
1,4-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
3,3-Dichlorobenzidine	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Dimethylphthalate	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4-Dinitrophenol	ND	0.88	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Di-n-octylphthalate	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.45	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Fluoranthene	1.1	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Fluorene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Indeno(1,2,3-cd)pyrene	0.33	0.23	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
4-Nitrophenol	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Phenanthrene	0.34	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Pyrene	0.84	0.23	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 19:49	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	83.4	30-130							
Phenol-d6	75.6	30-130							
Nitrobenzene-d5	77.8	30-130							
2-Fluorobiphenyl	74.6	30-130							
2,4,6-Tribromophenol	83.7	30-130							
Terphenyl-d14	70.7	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	27	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:09	CJM
C19-C36 Aliphatics	ND	27	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:09	CJM
Unadjusted C11-C22 Aromatics	56	27	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:09	CJM
C11-C22 Aromatics	36	27	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:09	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	90.2	40-140						6/19/10 1:09	
o-Terphenyl (OTP)	81.8	40-140						6/19/10 1:09	
2-Bromonaphthalene	97.8	40-140						6/19/10 1:09	
2-Fluorobiphenyl	95.8	40-140						6/19/10 1:09	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.80

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:03	EEH
C5-C8 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:03	EEH
Unadjusted C9-C12 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:03	EEH
C9-C12 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:03	EEH
C9-C10 Aromatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:03	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	117		70-130				6/17/10 19:03		
2,5-Dibromotoluene (PID)	114		70-130				6/17/10 19:03		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Arsenic	5.6	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Barium	41	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Beryllium	2.1	0.33	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 12:51	OP
Cadmium	ND	0.33	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Chromium	11	0.67	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Lead	25	1.0	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Mercury	0.037	0.034	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:46	MPF
Nickel	5.7	0.67	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Vanadium	12	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH
Zinc	25	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:40	KSH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-109 (0-3/2')

Sampled: 6/15/2010 10:15

Sample ID: 10F0414-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.5		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Bromobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Bromomethane	ND	0.013	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 10:04	MFF
2-Butanone (MEK)	ND	0.052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Carbon Disulfide	ND	0.0078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Chloroform	ND	0.0052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
2-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
4-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Dibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1-Dichloroethylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,3-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Diethyl Ether	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Naphthalene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Tetrahydrofuran	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
m+p Xylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	99.5	70-130	
4-Bromofluorobenzene	95.6	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Anthracene	0.34	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Benzo(a)anthracene	1.1	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Benzo(a)pyrene	1.0	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Benzo(b)fluoranthene	1.3	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Benzo(g,h,i)perylene	0.34	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Benzo(k)fluoranthene	0.48	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Bis(2-Ethylhexyl)phthalate	1.0	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Butylbenzylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
4-Chloroaniline	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Chrysene	1.1	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Dimethylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4-Dinitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Di-n-octylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Fluoranthene	1.8	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Indeno(1,2,3-cd)pyrene	0.46	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
4-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Phenanthrene	1.6	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Pyrene	1.4	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:48	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	79.6	30-130							
Phenol-d6	83.1	30-130							
Nitrobenzene-d5	72.6	30-130							
2-Fluorobiphenyl	67.7	30-130							
2,4,6-Tribromophenol	74.1	30-130							
Terphenyl-d14	50.4	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:29	CJM
C19-C36 Aliphatics	30	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:29	CJM
Unadjusted C11-C22 Aromatics	110	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:29	CJM
C11-C22 Aromatics	69	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/17/10	6/19/10 1:29	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	77.0	40-140							
o-Terphenyl (OTP)	79.1	40-140							
2-Bromonaphthalene	102	40-140							
2-Fluorobiphenyl	99.6	40-140							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Sample Flags: O-01

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.31

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	13	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:40	EEH
C5-C8 Aliphatics	ND	13	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:40	EEH
Unadjusted C9-C12 Aliphatics	ND	13	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:40	EEH
C9-C12 Aliphatics	ND	13	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:40	EEH
C9-C10 Aromatics	ND	13	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 19:40	EEH
Surrogates	% Recovery	Recovery Limits	Flag						
2,5-Dibromotoluene (FID)	121	70-130							
2,5-Dibromotoluene (PID)	116	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:45	KSH
Arsenic	18	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:45	KSH
Barium	1800	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Beryllium	2.8	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 12:56	OP
Cadmium	6.0	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:45	KSH
Chromium	110	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Lead	280	0.93	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Mercury	0.068	0.022	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:52	MPF
Nickel	14	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:45	KSH
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:45	KSH
Silver	0.80	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Vanadium	16	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH
Zinc	1000	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:44	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (0-3/2')

Sampled: 6/15/2010 11:05

Sample ID: 10F0414-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.3		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 10:29	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Chlorodibromomethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2-Dibromoethane (EDB)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
cis-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
trans-1,3-Dichloropropene	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Diisopropyl Ether (DIPE)	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,4-Dioxane	ND	0.099	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:29	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	96.4	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Butylbenzylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
4-Chloroaniline	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Dimethylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4-Dinitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Di-n-octylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
4-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 15:49	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	86.8		30-130				6/21/10 15:49		
Phenol-d6	90.6		30-130				6/21/10 15:49		
Nitrobenzene-d5	78.8		30-130				6/21/10 15:49		
2-Fluorobiphenyl	75.0		30-130				6/21/10 15:49		
2,4,6-Tribromophenol	93.3		30-130				6/21/10 15:49		
Terphenyl-d14	83.3		30-130				6/21/10 15:49		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:01	CJM
C19-C36 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:01	CJM
Unadjusted C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:01	CJM
C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:01	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	77.2		40-140				6/18/10 20:01		
o-Terphenyl (OTP)	89.2		40-140				6/18/10 20:01		
2-Bromonaphthalene	110		40-140				6/18/10 20:01		
2-Fluorobiphenyl	106		40-140				6/18/10 20:01		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Sample Flags: O-01

Soil/Methanol Preservation Ratio: 1.59

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	11	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:17	EEH
C5-C8 Aliphatics	ND	11	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:17	EEH
Unadjusted C9-C12 Aliphatics	ND	11	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:17	EEH
C9-C12 Aliphatics	ND	11	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:17	EEH
C9-C10 Aromatics	ND	11	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:17	EEH
Surrogates	% Recovery	Recovery Limits	Flag						
2,5-Dibromotoluene (FID)	118	70-130							
2,5-Dibromotoluene (PID)	114	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Arsenic	7.8	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Barium	36	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Beryllium	3.1	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:00	OP
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Chromium	12	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Lead	4.2	0.93	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:53	MPF
Nickel	9.6	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Vanadium	16	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH
Zinc	26	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:49	KSH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-108 (4-5/4')

Sampled: 6/15/2010 11:20

Sample ID: 10F0414-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.4		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Bromochloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 10:54	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2-Dibromoethane (EDB)	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
cis-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
trans-1,3-Dichloropropene	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Diethyl Ether	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Diisopropyl Ether (DIPE)	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,4-Dioxane	ND	0.098	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.00098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 10:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	112	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	97.4	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Acetophenone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Butylbenzylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
4-Chloroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
1,2-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
1,3-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
1,4-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Dimethylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4-Dinitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Di-n-octylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
4-Nitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	79.6	30-130							
Phenol-d6	83.4	30-130							
Nitrobenzene-d5	71.0	30-130							
2-Fluorobiphenyl	62.9	30-130							
2,4,6-Tribromophenol	93.9	30-130							
Terphenyl-d14	75.7	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:22	CJM
C19-C36 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:22	CJM
Unadjusted C11-C22 Aromatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:22	CJM
C11-C22 Aromatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:22	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	64.0	40-140						6/18/10 20:22	
o-Terphenyl (OTP)	79.4	40-140						6/18/10 20:22	
2-Bromonaphthalene	102	40-140						6/18/10 20:22	
2-Fluorobiphenyl	99.6	40-140						6/18/10 20:22	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.93

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:54	EEH
C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:54	EEH
Unadjusted C9-C12 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:54	EEH
C9-C12 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:54	EEH
C9-C10 Aromatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 20:54	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	112		70-130				6/17/10 20:54		
2,5-Dibromotoluene (PID)	109		70-130				6/17/10 20:54		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-5 (3-4/4')

Sampled: 6/15/2010 11:25

Sample ID: 10F0414-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Arsenic	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Barium	27	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH
Beryllium	2.4	0.33	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:05	OP
Cadmium	ND	0.33	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Chromium	10	0.66	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH
Lead	12	0.99	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:55	MPF
Nickel	5.7	0.66	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Selenium	ND	6.6	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:54	KSH
Silver	ND	0.66	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH
Vanadium	10	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH
Zinc	17	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:53	KSH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Sampled: 6/15/2010 11:25

Field Sample #: B-5 (3-4')

Sample ID: 10F0414-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.1		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.14	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Benzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Bromobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Bromochloromethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Bromodichloromethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Bromoform	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Bromomethane	ND	0.014	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 11:20	MFF
2-Butanone (MEK)	ND	0.058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
n-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
sec-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
tert-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Carbon Disulfide	ND	0.0087	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Carbon Tetrachloride	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Chlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Chlorodibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Chloroethane	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Chloroform	ND	0.0058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Chloromethane	ND	0.014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
2-Chlorotoluene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
4-Chlorotoluene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Dibromomethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,3-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,4-Dichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1-Dichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2-Dichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1-Dichloroethylene	ND	0.0058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
cis-1,2-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
trans-1,2-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,3-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
2,2-Dichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
cis-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
trans-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Diethyl Ether	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Diisopropyl Ether (DIPE)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,4-Dioxane	ND	0.14	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Ethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
2-Hexanone (MBK)	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Isopropylbenzene (Cumene)	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Methylene Chloride	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Naphthalene	ND	0.0058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
n-Propylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Styrene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Tetrachloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Tetrahydrofuran	ND	0.014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Toluene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2,3-Trichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2,4-Trichlorobenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1,1-Trichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,1,2-Trichloroethane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Trichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2,3-Trichloropropane	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,2,4-Trimethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
1,3,5-Trimethylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
Vinyl Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
m+p Xylene	ND	0.0058	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF
o-Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 11:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	109	70-130	
Toluene-d8	99.8	70-130	
4-Bromofluorobenzene	96.2	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	6.3	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Acenaphthylene	2.3	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Acetophenone	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Aniline	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Anthracene	18	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Benzo(a)anthracene	57	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Benzo(a)pyrene	48	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Benzo(b)fluoranthene	55	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Benzo(g,h,i)perylene	18	1.1	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Benzo(k)fluoranthene	22	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Bis(2-chloroethoxy)methane	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Bis(2-chloroethyl)ether	ND	2.3	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Bis(2-chloroisopropyl)ether	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Bis(2-Ethylhexyl)phthalate	36	23	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
4-Bromophenylphenylether	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Butylbenzylphthalate	ND	4.5	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
4-Chloroaniline	ND	4.5	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2-Chloronaphthalene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2-Chlorophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Chrysene	54	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Dibenz(a,h)anthracene	5.9	1.1	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Dibenzofuran	7.8	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Di-n-butylphthalate	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
1,2-Dichlorobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
1,3-Dichlorobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
1,4-Dichlorobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
3,3-Dichlorobenzidine	ND	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4-Dichlorophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Diethylphthalate	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4-Dimethylphenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Dimethylphthalate	ND	4.5	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4-Dinitrophenol	ND	4.5	mg/Kg dry	5	V-19	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4-Dinitrotoluene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,6-Dinitrotoluene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Di-n-octylphthalate	ND	4.5	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.3	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Fluoranthene	99	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Fluorene	7.7	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Hexachlorobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Hexachlorobutadiene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Hexachloroethane	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Indeno(1,2,3-cd)pyrene	21	1.1	mg/Kg dry	5	V-06	SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Isophorone	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2-Methylnaphthalene	2.6	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
3/4-Methylphenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Naphthalene	3.7	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Nitrobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2-Nitrophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
4-Nitrophenol	ND	4.5	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Pentachlorophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Phenanthrene	94	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
Phenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Pyrene	95	11	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 16:56	BGL
1,2,4-Trichlorobenzene	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4,5-Trichlorophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
2,4,6-Trichlorophenol	ND	2.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/20/10 20:23	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	66.1	30-130							
2-Fluorophenol	75.0	30-130							
Phenol-d6	58.2	30-130							
Phenol-d6	80.2	30-130							
Nitrobenzene-d5	59.4	30-130							
Nitrobenzene-d5	68.0	30-130							
2-Fluorobiphenyl	58.6	30-130							
2-Fluorobiphenyl	65.5	30-130							
2,4,6-Tribromophenol	77.0	30-130							
2,4,6-Tribromophenol	66.6	30-130							
Terphenyl-d14	52.9	30-130							
Terphenyl-d14	85.5	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	68	mg/Kg dry	5		MADEP-EPH-04-1.1	6/17/10	6/21/10 7:51	CJM
C19-C36 Aliphatics	480	68	mg/Kg dry	5		MADEP-EPH-04-1.1	6/17/10	6/21/10 7:51	CJM
Unadjusted C11-C22 Aromatics	4800	680	mg/Kg dry	50		MADEP-EPH-04-1.1	6/17/10	6/21/10 9:14	CJM
C11-C22 Aromatics	3200	680	mg/Kg dry	50		MADEP-EPH-04-1.1	6/17/10	6/21/10 7:51	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	79.2		40-140				6/21/10 7:51		
o-Terphenyl (OTP)	83.1		40-140				6/21/10 7:51		
2-Bromonaphthalene	92.4		40-140				6/21/10 7:51		
2-Fluorobiphenyl	92.1		40-140				6/21/10 7:51		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.83

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 21:31	EEH
C5-C8 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 21:31	EEH
Unadjusted C9-C12 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 21:31	EEH
C9-C12 Aliphatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 21:31	EEH
C9-C10 Aromatics	ND	21	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 21:31	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	126		70-130				6/17/10 21:31		
2,5-Dibromotoluene (PID)	127		70-130				6/17/10 21:31		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Arsenic	15	3.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Barium	320	3.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Beryllium	2.1	0.34	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:09	OP
Cadmium	4.0	0.34	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Chromium	45	0.68	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Lead	310	1.0	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Mercury	0.29	0.020	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:57	MPF
Nickel	13	0.68	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Selenium	ND	6.8	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Silver	ND	0.68	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Thallium	ND	3.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Vanadium	16	1.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH
Zinc	330	1.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 13:58	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-106 (0-3/2')

Sampled: 6/15/2010 11:50

Sample ID: 10F0414-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	73.6		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Bromobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Bromomethane	ND	0.013	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 12:10	MFF
2-Butanone (MEK)	ND	0.051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Carbon Disulfide	ND	0.0077	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Chloroform	ND	0.0051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
2-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
4-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Dibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1-Dichloroethylene	ND	0.0051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,3-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Diethyl Ether	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Naphthalene	ND	0.0051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Tetrahydrofuran	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
m+p Xylene	ND	0.0051	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 12:10	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	110	70-130	
Toluene-d8	98.8	70-130	
4-Bromofluorobenzene	99.6	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.9	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Acenaphthylene	2.3	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Acetophenone	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Aniline	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Anthracene	11	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Benzo(a)anthracene	31	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Benzo(a)pyrene	26	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Benzo(b)fluoranthene	33	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Benzo(g,h,i)perylene	10	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Benzo(k)fluoranthene	13	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Bis(2-chloroethoxy)methane	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Bis(2-chloroethyl)ether	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Bis(2-chloroisopropyl)ether	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Bis(2-Ethylhexyl)phthalate	23	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
4-Bromophenylphenylether	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Butylbenzylphthalate	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
4-Chloroaniline	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2-Chloronaphthalene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2-Chlorophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Chrysene	30	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Dibenz(a,h)anthracene	3.6	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Dibenzofuran	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Di-n-butylphthalate	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
1,2-Dichlorobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
1,3-Dichlorobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
1,4-Dichlorobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
3,3-Dichlorobenzidine	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4-Dichlorophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Diethylphthalate	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4-Dimethylphenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Dimethylphthalate	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4-Dinitrophenol	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4-Dinitrotoluene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,6-Dinitrotoluene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Di-n-octylphthalate	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Fluoranthene	120	19	mg/Kg dry	50		SW-846 8270C	6/18/10	6/21/10 18:43	BGL
Fluorene	4.1	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Hexachlorobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Hexachlorobutadiene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Hexachloroethane	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Indeno(1,2,3-cd)pyrene	14	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Isophorone	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2-Methylnaphthalene	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
3/4-Methylphenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Naphthalene	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Nitrobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2-Nitrophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
4-Nitrophenol	ND	7.3	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Pentachlorophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Phenanthrene	41	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Phenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Pyrene	40	1.9	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
1,2,4-Trichlorobenzene	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4,5-Trichlorophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
2,4,6-Trichlorophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:10	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	54.6	30-130						6/21/10 18:10	
2-Fluorophenol	112	30-130						6/21/10 18:43	
Phenol-d6	128	30-130						6/21/10 18:43	
Phenol-d6	56.6	30-130						6/21/10 18:10	
Nitrobenzene-d5	101	30-130						6/21/10 18:43	
Nitrobenzene-d5	49.7	30-130						6/21/10 18:10	
2-Fluorobiphenyl	50.5	30-130						6/21/10 18:10	
2-Fluorobiphenyl	103	30-130						6/21/10 18:43	
2,4,6-Tribromophenol	54.0	30-130						6/21/10 18:10	
2,4,6-Tribromophenol	118	30-130						6/21/10 18:43	
Terphenyl-d14	116	30-130						6/21/10 18:43	
Terphenyl-d14	43.3	30-130						6/21/10 18:10	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	55	mg/Kg dry	5		MADEP-EPH-04-1.1	6/17/10	6/21/10 8:33	CJM
C19-C36 Aliphatics	390	55	mg/Kg dry	5		MADEP-EPH-04-1.1	6/17/10	6/21/10 8:33	CJM
Unadjusted C11-C22 Aromatics	2600	550	mg/Kg dry	50		MADEP-EPH-04-1.1	6/17/10	6/21/10 10:16	CJM
C11-C22 Aromatics	1600	550	mg/Kg dry	50		MADEP-EPH-04-1.1	6/17/10	6/21/10 8:33	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	95.8		40-140				6/21/10 8:33		
o-Terphenyl (OTP)	89.3		40-140				6/21/10 8:33		
2-Bromonaphthalene	89.2		40-140				6/21/10 8:33		
2-Fluorobiphenyl	89.7		40-140				6/21/10 8:33		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.79

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	16	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:07	EEH
C5-C8 Aliphatics	ND	16	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:07	EEH
Unadjusted C9-C12 Aliphatics	ND	16	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:07	EEH
C9-C12 Aliphatics	ND	16	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:07	EEH
C9-C10 Aromatics	ND	16	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:07	EEH
Surrogates	% Recovery	Recovery Limits	Flag						
2,5-Dibromotoluene (FID)	106	70-130							
2,5-Dibromotoluene (PID)	102	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:03	KSH
Arsenic	11	2.8	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:03	KSH
Barium	240	2.8	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Beryllium	2.8	0.28	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:14	OP
Cadmium	2.8	0.28	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:03	KSH
Chromium	27	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Lead	320	0.83	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Mercury	0.29	0.025	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 15:58	MPF
Nickel	14	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:03	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:03	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Vanadium	19	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH
Zinc	260	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:02	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-3 (0-3/2')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Bromochloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Bromomethane	ND	0.0075	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 13:30	MFF
2-Butanone (MEK)	ND	0.030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Carbon Disulfide	ND	0.0045	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Chlorodibromomethane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Chloroform	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Chloromethane	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2-Dibromoethane (EDB)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1-Dichloroethylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,3-Dichloropropane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
cis-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
trans-1,3-Dichloropropene	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Diethyl Ether	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Diisopropyl Ether (DIPE)	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,4-Dioxane	ND	0.075	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Naphthalene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.00075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Tetrahydrofuran	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
Vinyl Chloride	ND	0.0075	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
m+p Xylene	ND	0.0030	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:30	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	109	70-130	
Toluene-d8	97.6	70-130	
4-Bromofluorobenzene	96.0	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Butylbenzylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Dimethylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Di-n-octylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/21/10 19:16	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	81.7	30-130							
Phenol-d6	82.3	30-130							
Nitrobenzene-d5	75.9	30-130							
2-Fluorobiphenyl	69.1	30-130							
2,4,6-Tribromophenol	76.9	30-130							
Terphenyl-d14	72.4	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:42	CJM
C19-C36 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:42	CJM
Unadjusted C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:42	CJM
C11-C22 Aromatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/17/10	6/18/10 20:42	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	68.6	40-140						6/18/10 20:42	
o-Terphenyl (OTP)	77.3	40-140						6/18/10 20:42	
2-Bromonaphthalene	102	40-140						6/18/10 20:42	
2-Fluorobiphenyl	99.1	40-140						6/18/10 20:42	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 0.86

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:44	EEH
C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:44	EEH
Unadjusted C9-C12 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:44	EEH
C9-C12 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:44	EEH
C9-C10 Aromatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 22:44	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	111		70-130				6/17/10 22:44		
2,5-Dibromotoluene (PID)	103		70-130				6/17/10 22:44		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: B-6 (3-4/4')

Sampled: 6/15/2010 12:00

Sample ID: 10F0414-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Arsenic	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Barium	30	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Beryllium	3.4	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:18	OP
Cadmium	1.8	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Chromium	8.7	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Lead	4.9	0.92	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Mercury	ND	0.021	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:00	MPF
Nickel	7.5	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Vanadium	23	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH
Zinc	23	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:07	KSH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Sampled: 6/15/2010 12:00

Field Sample #: B-6 (3-4')

Sample ID: 10F0414-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.1		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Bromobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Bromomethane	ND	0.013	mg/Kg dry	1	L-04	SW-846 8260B	6/16/10	6/16/10 13:55	MFF
2-Butanone (MEK)	ND	0.053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Carbon Disulfide	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Chloroform	ND	0.0053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
2-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
4-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Dibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1-Dichloroethylene	ND	0.0053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,3-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Diethyl Ether	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Naphthalene	ND	0.0053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Tetrahydrofuran	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
m+p Xylene	ND	0.0053	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 13:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	115	70-130	
Toluene-d8	99.0	70-130	
4-Bromofluorobenzene	95.7	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	4.4	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Acetophenone	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Aniline	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Benzo(a)anthracene	22	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Benzo(a)pyrene	17	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Benzo(b)fluoranthene	22	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Benzo(g,h,i)perylene	11	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Benzo(k)fluoranthene	9.8	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Bis(2-chloroethoxy)methane	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Bis(2-chloroethyl)ether	ND	0.44	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Bis(2-Ethylhexyl)phthalate	5.2	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
4-Bromophenylphenylether	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Butylbenzylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
4-Chloroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2-Chloronaphthalene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2-Chlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Chrysene	19	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Dibenz(a,h)anthracene	2.0	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Dibenzofuran	4.1	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
1,2-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
1,3-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
1,4-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4-Dichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Diethylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4-Dimethylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Dimethylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4-Dinitrophenol	ND	0.86	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,6-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Di-n-octylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Fluoranthene	33	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Fluorene	4.2	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Hexachlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Hexachlorobutadiene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Hexachloroethane	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Indeno(1,2,3-cd)pyrene	12	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Indeno(1,2,3-cd)pyrene	7.6	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Isophorone	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2-Methylnaphthalene	1.5	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
3/4-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Naphthalene	3.7	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Nitrobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2-Nitrophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
4-Nitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Pentachlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Phenanthrene	43	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
Phenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
Pyrene	36	4.4	mg/Kg dry	20		SW-846 8270C	6/18/10	6/21/10 15:41	BGL
1,2,4-Trichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4,5-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL
2,4,6-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 14:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag
2-Fluorophenol	81.8	30-130	
2-Fluorophenol	88.3	30-130	
Phenol-d6	70.2	30-130	
Phenol-d6	96.1	30-130	
Nitrobenzene-d5	74.4	30-130	
Nitrobenzene-d5	72.4	30-130	
2-Fluorobiphenyl	68.5	30-130	
2-Fluorobiphenyl	75.4	30-130	
2,4,6-Tribromophenol	81.9	30-130	
2,4,6-Tribromophenol	76.2	30-130	
Terphenyl-d14	110	30-130	
Terphenyl-d14	44.3	30-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
alpha-BHC [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
beta-BHC [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
delta-BHC [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
gamma-BHC (Lindane) [1]	ND	0.020	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Chlordane [1]	ND	0.13	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
4,4'-DDD [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
4,4'-DDE [1]	0.033	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
4,4'-DDT [1]	0.12	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Dieldrin [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Endosulfan I [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Endosulfan II [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Endosulfan sulfate [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Endrin [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Endrin ketone [1]	ND	0.052	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Heptachlor [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Heptachlor epoxide [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Hexachlorobenzene [1]	ND	0.033	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB
Methoxychlor [1]	ND	0.33	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 20:41	JB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	126	30-150	
Decachlorobiphenyl [2]	142	30-150	
Tetrachloro-m-xylene [1]	75.9	30-150	
Tetrachloro-m-xylene [2]	84.4	30-150	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	6/17/10	6/18/10 19:32	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	73.0	30-150							
Decachlorobiphenyl [2]	104	30-150							
Tetrachloro-m-xylene [1]	75.5	30-150							
Tetrachloro-m-xylene [2]	101	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Arsenic	11	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Barium	80	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Beryllium	2.4	0.32	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 13:23	OP
Cadmium	0.62	0.32	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Chromium	17	0.64	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Lead	160	0.97	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Mercury	0.096	0.022	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:02	MPF
Nickel	6.2	0.64	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Silver	ND	0.64	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Vanadium	16	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH
Zinc	100	1.3	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:30	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-104 (0-2/2')

Sampled: 6/15/2010 12:30

Sample ID: 10F0414-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.0		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Bromochloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Bromomethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Carbon Disulfide	ND	0.0065	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Chloroform	ND	0.0043	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Chloromethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1	V-05	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
trans-1,3-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Diethyl Ether	ND	0.022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Diisopropyl Ether (DIPE)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,4-Dioxane	ND	0.11	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1	R-05	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Naphthalene	ND	0.0043	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
m+p Xylene	ND	0.0043	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	111	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	99.8	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Anthracene	0.43	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Benzo(a)anthracene	1.8	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Benzo(a)pyrene	1.8	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Benzo(b)fluoranthene	2.6	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Benzo(g,h,i)perylene	0.71	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Benzo(k)fluoranthene	0.98	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Bis(2-Ethylhexyl)phthalate	4.2	1.8	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 16:22	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Butylbenzylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Chrysene	1.8	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Dibenz(a,h)anthracene	0.23	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Dimethylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Fluoranthene	3.5	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Indeno(1,2,3-cd)pyrene	0.84	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Phenanthrene	1.8	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Pyrene	2.4	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:11	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	86.8	30-130						6/20/10 15:11	
2-Fluorophenol	64.7	30-130						6/21/10 16:22	
Phenol-d6	71.2	30-130						6/21/10 16:22	
Phenol-d6	79.7	30-130						6/20/10 15:11	
Nitrobenzene-d5	57.8	30-130						6/21/10 16:22	
Nitrobenzene-d5	79.9	30-130						6/20/10 15:11	
2-Fluorobiphenyl	58.1	30-130						6/21/10 16:22	
2-Fluorobiphenyl	77.2	30-130						6/20/10 15:11	
2,4,6-Tribromophenol	62.7	30-130						6/21/10 16:22	
2,4,6-Tribromophenol	76.5	30-130						6/20/10 15:11	
Terphenyl-d14	61.6	30-130						6/21/10 16:22	
Terphenyl-d14	55.6	30-130						6/20/10 15:11	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
alpha-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
beta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
delta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
gamma-BHC (Lindane) [1]	ND	0.016	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
4,4'-DDD [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
4,4'-DDE [1]	0.029	0.022	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
4,4'-DDT [1]	0.094	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Dieldrin [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Endosulfan I [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Endosulfan II [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Endosulfan sulfate [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Endrin [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Endrin ketone [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Heptachlor [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Heptachlor epoxide [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Hexachlorobenzene [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB
Methoxychlor [1]	ND	0.27	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 22:07	JB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	131	30-150	6/18/10 22:07
Decachlorobiphenyl [2]	138	30-150	6/18/10 22:07
Tetrachloro-m-xylene [1]	75.0	30-150	6/18/10 22:07
Tetrachloro-m-xylene [2]	83.4	30-150	6/18/10 22:07

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1254 [2]	2.5	0.44	mg/Kg dry	4	O-03	SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/18/10 19:47	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	109	30-150							
Decachlorobiphenyl [2]	99.2	30-150							
Tetrachloro-m-xylene [1]	102	30-150							
Tetrachloro-m-xylene [2]	132	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Arsenic	8.7	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Barium	120	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Beryllium	2.2	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 14:10	OP
Cadmium	0.55	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Chromium	15	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Lead	58	0.82	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Mercury	0.056	0.016	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:03	MPF
Nickel	9.9	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Vanadium	18	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH
Zinc	60	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:34	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-105 (0-1/0.5')

Sampled: 6/15/2010 13:30

Sample ID: 10F0414-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.0		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1	V-16, R-05	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Benzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Bromobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Bromochloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Bromodichloromethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
2-Butanone (MEK)	ND	0.049	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
sec-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
tert-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Carbon Disulfide	ND	0.0073	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Chlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Chloroethane	ND	0.024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Chloroform	ND	0.0049	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
2-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
4-Chlorotoluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Dibromomethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,3-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,4-Dichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	mg/Kg dry	1	V-05	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2-Dichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1-Dichloroethylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
cis-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
trans-1,2-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
2,2-Dichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
trans-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Diethyl Ether	ND	0.024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Ethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
2-Hexanone (MBK)	ND	0.024	mg/Kg dry	1	R-05	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Isopropylbenzene (Cumene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Methylene Chloride	ND	0.024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Naphthalene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
n-Propylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Styrene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Tetrachloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Toluene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2,3-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2,4-Trichlorobenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1,1-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,1,2-Trichloroethane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Trichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2,3-Trichloropropane	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,2,4-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
1,3,5-Trimethylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
m+p Xylene	ND	0.0049	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF
o-Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 15:35	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	102	70-130	6/16/10 15:35
Toluene-d8	103	70-130	6/16/10 15:35
4-Bromofluorobenzene	97.2	70-130	6/16/10 15:35

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Aniline	ND	0.43	mg/Kg dry	1	MS-09	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Anthracene	0.64	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Benzo(a)anthracene	2.3	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Benzo(a)pyrene	2.0	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Benzo(b)fluoranthene	3.0	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Benzo(g,h,i)perylene	1.1	0.22	mg/Kg dry	1	V-06, MS-09	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Benzo(k)fluoranthene	1.0	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Bis(2-Ethylhexyl)phthalate	3.5	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Butylbenzylphthalate	16	4.2	mg/Kg dry	5	MS-09	SW-846 8270C	6/18/10	6/21/10 17:03	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1	MS-09	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Chrysene	2.3	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Dibenz(a,h)anthracene	0.33	0.22	mg/Kg dry	1	V-06, MS-09	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Di-n-butylphthalate	0.61	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1	MS-09	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Dimethylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Di-n-octylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Fluoranthene	3.1	1.1	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 17:03	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Indeno(1,2,3-cd)pyrene	1.2	0.22	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Phenanthrene	3.3	0.22	mg/Kg dry	1	R-06	SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Pyrene	3.6	0.22	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 15:46	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	64.7	30-130							
2-Fluorophenol	51.6	30-130							
Phenol-d6	62.1	30-130							
Phenol-d6	57.5	30-130							
Nitrobenzene-d5	63.0	30-130							
Nitrobenzene-d5	47.5	30-130							
2-Fluorobiphenyl	63.6	30-130							
2-Fluorobiphenyl	52.8	30-130							
2,4,6-Tribromophenol	62.4	30-130							
2,4,6-Tribromophenol	43.4	30-130							
Terphenyl-d14	51.2	30-130							
Terphenyl-d14	61.3	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
alpha-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
beta-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
delta-BHC [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
gamma-BHC (Lindane) [1]	ND	0.019	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Chlordane [1]	ND	0.13	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
4,4'-DDD [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
4,4'-DDE [1]	0.033	0.025	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
4,4'-DDT [1]	0.065	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Dieldrin [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Endosulfan I [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Endosulfan II [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Endosulfan sulfate [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Endrin [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Endrin ketone [1]	ND	0.051	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Heptachlor [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Heptachlor epoxide [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Hexachlorobenzene [1]	ND	0.032	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB
Methoxychlor [1]	ND	0.32	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:09	JB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	73.9	30-150	6/18/10 21:09
Decachlorobiphenyl [2]	90.9	30-150	6/18/10 21:09
Tetrachloro-m-xylene [1]	81.3	30-150	6/18/10 21:09
Tetrachloro-m-xylene [2]	84.0	30-150	6/18/10 21:09

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1221 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1232 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1242 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1248 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1254 [2]	0.77	0.51	mg/Kg dry	4	O-03	SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1260 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1262 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Aroclor-1268 [1]	ND	0.51	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:17	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	102	30-150							
Decachlorobiphenyl [2]	130	30-150							
Tetrachloro-m-xylene [1]	103	30-150							
Tetrachloro-m-xylene [2]	139	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1	MS-13	SW-846 6010B	6/18/10	6/18/10 14:13	OP
Arsenic	10	3.2	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:13	OP
Barium	1000	3.2	mg/Kg dry	1	MS-19	SW-846 6010B	6/18/10	6/18/10 14:12	OP
Beryllium	3.1	0.32	mg/Kg dry	1		SW-846 6010B	6/18/10	6/22/10 14:21	KSH
Cadmium	1.9	0.32	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:13	OP
Chromium	51	0.61	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 15:22	OP
Lead	180	0.95	mg/Kg dry	1	MS-19	SW-846 6010B	6/18/10	6/18/10 14:12	OP
Mercury	0.095	0.022	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:05	MPF
Nickel	15	0.63	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:13	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:13	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:12	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:12	OP
Vanadium	23	1.3	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:12	OP
Zinc	200	1.3	mg/Kg dry	1	MS-19	SW-846 6010B	6/18/10	6/18/10 14:12	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-103 (0-1/0.5')

Sampled: 6/15/2010 13:35

Sample ID: 10F0414-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.8		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2-Dibromoethane (EDB)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1	V-05	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
cis-1,3-Dichloropropene	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
trans-1,3-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Diisopropyl Ether (DIPE)	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,4-Dioxane	ND	0.079	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1	R-05	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	104	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	98.6	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.28	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Acenaphthylene	0.23	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Anthracene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Benzo(a)anthracene	3.6	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Benzo(a)pyrene	3.3	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Benzo(b)fluoranthene	4.0	0.93	mg/Kg dry	5		SW-846 8270C	6/18/10	6/22/10 9:45	BGL
Benzo(g,h,i)perylene	1.5	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Benzo(k)fluoranthene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Bis(2-Ethylhexyl)phthalate	2.1	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Butylbenzylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Chrysene	3.7	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Dibenz(a,h)anthracene	0.41	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Di-n-butylphthalate	0.52	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Dimethylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Fluoranthene	6.8	0.93	mg/Kg dry	5		SW-846 8270C	6/18/10	6/22/10 9:45	BGL
Fluorene	0.30	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Indeno(1,2,3-cd)pyrene	1.7	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Naphthalene	0.23	0.19	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Phenanthrene	5.4	0.93	mg/Kg dry	5		SW-846 8270C	6/18/10	6/22/10 9:45	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Pyrene	7.8	0.93	mg/Kg dry	5		SW-846 8270C	6/18/10	6/22/10 9:45	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:20	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	77.7	30-130							
2-Fluorophenol	74.4	30-130							
Phenol-d6	69.2	30-130							
Phenol-d6	66.9	30-130							
Nitrobenzene-d5	67.8	30-130							
Nitrobenzene-d5	70.5	30-130							
2-Fluorobiphenyl	67.9	30-130							
2-Fluorobiphenyl	73.6	30-130							
2,4,6-Tribromophenol	66.8	30-130							
2,4,6-Tribromophenol	65.4	30-130							
Terphenyl-d14	79.2	30-130							
Terphenyl-d14	53.1	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
alpha-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
beta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
delta-BHC [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
gamma-BHC (Lindane) [1]	ND	0.016	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
4,4'-DDD [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
4,4'-DDE [1]	0.032	0.022	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
4,4'-DDT [1]	0.095	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Dieldrin [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Endosulfan I [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Endosulfan II [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Endosulfan sulfate [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Endrin [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Endrin ketone [1]	ND	0.044	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Heptachlor [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Heptachlor epoxide [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Hexachlorobenzene [1]	ND	0.027	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB
Methoxychlor [1]	ND	0.27	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:24	JB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	76.5	30-150	
Decachlorobiphenyl [2]	96.4	30-150	
Tetrachloro-m-xylene [1]	69.2	30-150	
Tetrachloro-m-xylene [2]	73.5	30-150	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1254 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1260 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:32	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.5	30-150							
Decachlorobiphenyl [2]	133	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	134	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Arsenic	17	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Barium	240	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Beryllium	2.2	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 14:14	OP
Cadmium	0.88	0.27	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Chromium	25	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Lead	310	0.82	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Mercury	0.20	0.019	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:16	MPF
Nickel	14	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH
Zinc	160	1.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:39	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-102 (0-2/0.5')

Sampled: 6/15/2010 14:00

Sample ID: 10F0414-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.8		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Bromochloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Bromoform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
2-Butanone (MEK)	ND	0.042	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Carbon Disulfide	ND	0.0063	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Chloroform	ND	0.0042	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1	V-05	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1-Dichloroethylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
trans-1,3-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Diethyl Ether	ND	0.021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,4-Dioxane	ND	0.10	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1	R-05	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Naphthalene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
m+p Xylene	ND	0.0042	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:27	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	104	70-130	6/16/10 16:27
Toluene-d8	102	70-130	6/16/10 16:27
4-Bromofluorobenzene	100	70-130	6/16/10 16:27

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Acenaphthylene	1.1	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Anthracene	0.71	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Benzo(a)anthracene	4.4	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
Benzo(a)pyrene	4.3	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
Benzo(b)fluoranthene	6.1	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
Benzo(g,h,i)perylene	1.9	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Benzo(k)fluoranthene	3.8	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Bis(2-Ethylhexyl)phthalate	1.1	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Chrysene	4.6	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
Dibenz(a,h)anthracene	0.83	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Di-n-butylphthalate	0.44	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Fluoranthene	4.5	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Indeno(1,2,3-cd)pyrene	2.6	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Phenanthrene	1.4	0.21	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Pyrene	6.0	1.0	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 18:24	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 16:55	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	55.0	30-130							
2-Fluorophenol	44.0	30-130							
Phenol-d6	45.9	30-130							
Phenol-d6	49.6	30-130							
Nitrobenzene-d5	52.4	30-130							
Nitrobenzene-d5	38.5	30-130							
2-Fluorobiphenyl	59.5	30-130							
2-Fluorobiphenyl	39.8	30-130							
2,4,6-Tribromophenol	51.1	30-130							
2,4,6-Tribromophenol	43.6	30-130							
Terphenyl-d14	45.7	30-130							
Terphenyl-d14	45.8	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
alpha-BHC [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
beta-BHC [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
delta-BHC [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
gamma-BHC (Lindane) [1]	ND	0.018	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Chlordane [1]	ND	0.12	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
4,4'-DDD [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
4,4'-DDE [1]	0.062	0.024	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
4,4'-DDT [1]	0.16	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Dieldrin [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Endosulfan I [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Endosulfan II [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Endosulfan sulfate [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Endrin [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Endrin ketone [1]	ND	0.048	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Heptachlor [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Heptachlor epoxide [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Hexachlorobenzene [1]	ND	0.030	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB
Methoxychlor [1]	ND	0.30	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:38	JB

Surrogates	% Recovery	Recovery Limits	Flag
Decachlorobiphenyl [1]	86.6	30-150	
Decachlorobiphenyl [2]	116	30-150	
Tetrachloro-m-xylene [1]	83.7	30-150	
Tetrachloro-m-xylene [2]	88.7	30-150	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1221 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1232 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1242 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1248 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1254 [2]	1.2	0.48	mg/Kg dry	4	O-03	SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1260 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1262 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Aroclor-1268 [1]	ND	0.48	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 9:47	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.9	30-150							
Decachlorobiphenyl [2]	130	30-150							
Tetrachloro-m-xylene [1]	100	30-150							
Tetrachloro-m-xylene [2]	132	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:44	KSH
Arsenic	11	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:44	KSH
Barium	160	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Beryllium	1.9	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/21/10 14:19	OP
Cadmium	2.6	0.31	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:44	KSH
Chromium	18	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Lead	180	0.93	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Mercury	0.48	0.027	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:18	MPF
Nickel	9.7	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:44	KSH
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:44	KSH
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Vanadium	15	1.2	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 14:43	KSH
Zinc	3200	12	mg/Kg dry	10		SW-846 6010B	6/17/10	6/18/10 14:55	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: TP-101 (0-1/1')

Sampled: 6/15/2010 14:10

Sample ID: 10F0414-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.9		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.078	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Bromomethane	ND	0.0078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1	R-05, V-16	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Chlorodibromomethane	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Chloromethane	ND	0.0078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2-Dibromoethane (EDB)	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1	V-05	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,3-Dichloropropane	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
cis-1,3-Dichloropropene	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
trans-1,3-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Diisopropyl Ether (DIPE)	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,4-Dioxane	ND	0.078	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1	R-05	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.00078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Tetrahydrofuran	ND	0.0078	mg/Kg dry	1	V-16	SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
Vinyl Chloride	ND	0.0078	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	6/16/10	6/16/10 16:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	101	70-130	
Toluene-d8	103	70-130	
4-Bromofluorobenzene	98.5	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.36	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Acenaphthylene	0.22	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Anthracene	1.0	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Benzo(a)anthracene	3.6	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Benzo(a)pyrene	3.1	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Benzo(b)fluoranthene	3.1	0.91	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 19:04	BGL
Benzo(g,h,i)perylene	1.5	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Benzo(k)fluoranthene	1.7	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Bis(2-Ethylhexyl)phthalate	2.2	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Chrysene	3.5	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Dibenz(a,h)anthracene	0.45	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Dibenzofuran	0.40	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Di-n-butylphthalate	0.52	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Fluoranthene	5.5	0.91	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 19:04	BGL
Fluorene	0.36	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Naphthalene	0.35	0.18	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Phenanthrene	3.8	0.91	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 19:04	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Pyrene	5.7	0.91	mg/Kg dry	5		SW-846 8270C	6/18/10	6/21/10 19:04	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/18/10	6/20/10 17:30	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	48.9	30-130							
2-Fluorophenol	69.7	30-130							
Phenol-d6	53.5	30-130							
Phenol-d6	62.5	30-130							
Nitrobenzene-d5	42.8	30-130							
Nitrobenzene-d5	64.8	30-130							
2-Fluorobiphenyl	48.6	30-130							
2-Fluorobiphenyl	66.8	30-130							
2,4,6-Tribromophenol	48.5	30-130							
2,4,6-Tribromophenol	68.0	30-130							
Terphenyl-d14	56.7	30-130							
Terphenyl-d14	57.7	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
alpha-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
beta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
delta-BHC [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
gamma-BHC (Lindane) [1]	ND	0.016	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Chlordane [1]	ND	0.11	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
4,4'-DDD [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
4,4'-DDE [2]	0.034	0.021	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
4,4'-DDT [1]	0.11	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Dieldrin [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Endosulfan I [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Endosulfan II [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Endosulfan sulfate [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Endrin [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Endrin ketone [1]	ND	0.042	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Heptachlor [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Heptachlor epoxide [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Hexachlorobenzene [1]	ND	0.026	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Methoxychlor [1]	ND	0.26	mg/Kg dry	5		SW-846 8081A	6/17/10	6/18/10 21:52	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	95.1	30-150							
Decachlorobiphenyl [2]	117	30-150							
Tetrachloro-m-xylene [1]	77.5	30-150							
Tetrachloro-m-xylene [2]	85.6	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1254 [2]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1260 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	4		SW-846 8082	6/17/10	6/19/10 10:02	JB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	107	30-150						6/19/10 10:02	
Decachlorobiphenyl [2]	134	30-150						6/19/10 10:02	
Tetrachloro-m-xylene [1]	98.2	30-150						6/19/10 10:02	
Tetrachloro-m-xylene [2]	122	30-150						6/19/10 10:02	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Arsenic	13	2.7	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Barium	320	2.7	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Beryllium	2.3	0.27	mg/Kg dry	1		SW-846 6010B	6/18/10	6/22/10 14:17	KSH
Cadmium	0.87	0.27	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Chromium	46	0.54	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Lead	230	0.81	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Mercury	0.20	0.020	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 16:19	MPF
Nickel	14	0.54	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Vanadium	18	1.1	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP
Zinc	160	1.1	mg/Kg dry	1		SW-846 6010B	6/18/10	6/18/10 14:52	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: DUP-4 (0-2/0.5')

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.9		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: Trip Blank

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-17

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Bromomethane	ND	0.010	mg/Kg wet	1	L-04	SW-846 8260B	6/16/10	6/16/10 14:20	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Diethyl Ether	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,4-Dioxane	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: Trip Blank

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-17

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	6/16/10	6/16/10 14:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	99.6	70-130	
Toluene-d8	101	70-130	
4-Bromofluorobenzene	100	70-130	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0414

Date Received: 6/15/2010

Field Sample #: Trip Blank

Sampled: 6/15/2010 00:00

Sample ID: 10F0414-17

Sample Matrix: Trip Blank Soil

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.00

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	11	mg/Kg wet	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 16:35	EEH
C5-C8 Aliphatics	ND	11	mg/Kg wet	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 16:35	EEH
Unadjusted C9-C12 Aliphatics	ND	11	mg/Kg wet	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 16:35	EEH
C9-C12 Aliphatics	ND	11	mg/Kg wet	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 16:35	EEH
C9-C10 Aromatics	ND	11	mg/Kg wet	1		MADEP-VPH-04-1.1	6/17/10	6/17/10 16:35	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	92.2		70-130				6/17/10 16:35		
2,5-Dibromotoluene (PID)	89.9		70-130				6/17/10 16:35		

Sample Extraction Data

Prep Method: SW-846 3546-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015057	20.1	2.00	06/17/10
10F0414-02 [TP-107 (3-4/4')]	B015057	20.1	2.00	06/17/10
10F0414-03 [TP-109 (5-6/6')]	B015057	20.3	2.00	06/17/10
10F0414-04 [TP-109 (0-3/2')]	B015057	20.2	2.00	06/17/10
10F0414-05 [TP-108 (0-3/2')]	B015057	20.2	2.00	06/17/10
10F0414-06 [TP-108 (4-5/4')]	B015057	20.1	2.00	06/17/10
10F0414-07 [B-5 (3-4/4')]	B015057	20.0	2.00	06/17/10
10F0414-08 [TP-106 (0-3/2')]	B015057	20.1	2.00	06/17/10
10F0414-09 [DUP-3 (0-3/2')]	B015057	20.1	2.00	06/17/10
10F0414-10 [B-6 (3-4/4')]	B015057	20.3	2.00	06/17/10

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015023	12.5	17.0	06/17/10
10F0414-02 [TP-107 (3-4/4')]	B015023	16.3	19.5	06/17/10
10F0414-03 [TP-109 (5-6/6')]	B015023	15.5	19.0	06/17/10
10F0414-04 [TP-109 (0-3/2')]	B015023	12.0	19.1	06/17/10
10F0414-05 [TP-108 (0-3/2')]	B015023	19.7	19.9	06/17/10
10F0414-06 [TP-108 (4-5/4')]	B015023	23.8	20.7	06/17/10
10F0414-07 [B-5 (3-4/4')]	B015023	13.9	19.3	06/17/10
10F0414-08 [TP-106 (0-3/2')]	B015023	12.4	19.3	06/17/10
10F0414-09 [DUP-3 (0-3/2')]	B015023	11.9	17.1	06/17/10
10F0414-10 [B-6 (3-4/4')]	B015023	12.9	18.7	06/17/10
10F0414-17 [Trip Blank]	B015023	15.0	16.0	06/17/10

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10F0414-01 [TP-107 (0-2/2')]	B015053	06/17/10
10F0414-02 [TP-107 (3-4/4')]	B015053	06/17/10
10F0414-03 [TP-109 (5-6/6')]	B015053	06/17/10
10F0414-04 [TP-109 (0-3/2')]	B015053	06/17/10
10F0414-05 [TP-108 (0-3/2')]	B015053	06/17/10
10F0414-06 [TP-108 (4-5/4')]	B015053	06/17/10
10F0414-07 [B-5 (3-4/4')]	B015053	06/17/10
10F0414-08 [TP-106 (0-3/2')]	B015053	06/17/10
10F0414-09 [DUP-3 (0-3/2')]	B015053	06/17/10
10F0414-10 [B-6 (3-4/4')]	B015053	06/17/10
10F0414-11 [TP-104 (0-2/2')]	B015053	06/17/10
10F0414-12 [TP-105 (0-1/0.5')]	B015053	06/17/10
10F0414-13 [TP-103 (0-1/0.5')]	B015053	06/17/10
10F0414-14 [TP-102 (0-2/0.5')]	B015053	06/17/10
10F0414-15 [TP-101 (0-1/1')]	B015053	06/17/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015053	06/17/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015060	1.00	50.0	06/17/10
10F0414-02 [TP-107 (3-4/4')]	B015060	1.00	50.0	06/17/10

Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-03 [TP-109 (5-6/6')]	B015060	1.01	50.0	06/17/10
10F0414-04 [TP-109 (0-3/2')]	B015060	1.01	50.0	06/17/10
10F0414-05 [TP-108 (0-3/2')]	B015060	1.01	50.0	06/17/10
10F0414-06 [TP-108 (4-5/4')]	B015060	1.00	50.0	06/17/10
10F0414-07 [B-5 (3-4/4')]	B015060	1.00	50.0	06/17/10
10F0414-08 [TP-106 (0-3/2')]	B015060	1.00	50.0	06/17/10
10F0414-09 [DUP-3 (0-3/2')]	B015060	1.00	50.0	06/17/10
10F0414-10 [B-6 (3-4/4')]	B015060	1.03	50.0	06/17/10
10F0414-11 [TP-104 (0-2/2')]	B015060	1.02	50.0	06/17/10
10F0414-12 [TP-105 (0-1/0.5')]	B015060	0.999	50.0	06/17/10
10F0414-14 [TP-102 (0-2/0.5')]	B015060	1.01	50.0	06/17/10
10F0414-15 [TP-101 (0-1/1')]	B015060	1.00	50.0	06/17/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-13 [TP-103 (0-1/0.5')]	B015085	1.00	50.0	06/18/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015085	0.999	50.0	06/18/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-13RE1 [TP-103 (0-1/0.5')]	B015147	1.03	50.0	06/21/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015056	0.114	25.0	06/17/10
10F0414-02 [TP-107 (3-4/4')]	B015056	0.123	25.0	06/17/10
10F0414-03 [TP-109 (5-6/6')]	B015056	0.213	25.0	06/17/10
10F0414-04 [TP-109 (0-3/2')]	B015056	0.100	25.0	06/17/10
10F0414-05 [TP-108 (0-3/2')]	B015056	0.144	25.0	06/17/10
10F0414-06 [TP-108 (4-5/4')]	B015056	0.114	25.0	06/17/10
10F0414-07 [B-5 (3-4/4')]	B015056	0.123	25.0	06/17/10
10F0414-08 [TP-106 (0-3/2')]	B015056	0.170	25.0	06/17/10
10F0414-09 [DUP-3 (0-3/2')]	B015056	0.112	25.0	06/17/10
10F0414-10 [B-6 (3-4/4')]	B015056	0.149	25.0	06/17/10
10F0414-11 [TP-104 (0-2/2')]	B015056	0.147	25.0	06/17/10
10F0414-12 [TP-105 (0-1/0.5')]	B015056	0.174	25.0	06/17/10
10F0414-13 [TP-103 (0-1/0.5')]	B015056	0.144	25.0	06/17/10
10F0414-14 [TP-102 (0-2/0.5')]	B015056	0.142	25.0	06/17/10
10F0414-15 [TP-101 (0-1/1')]	B015056	0.115	25.0	06/17/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015056	0.137	25.0	06/17/10

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-11 [TP-104 (0-2/2')]	B015044	10.1	10.0	06/17/10
10F0414-12 [TP-105 (0-1/0.5')]	B015044	10.0	10.0	06/17/10
10F0414-13 [TP-103 (0-1/0.5')]	B015044	10.0	10.0	06/17/10

Sample Extraction Data**Prep Method: SW-846 3546-SW-846 8081A**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-14 [TP-102 (0-2/0.5')]	B015044	10.1	10.0	06/17/10
10F0414-15 [TP-101 (0-1/1')]	B015044	10.3	10.0	06/17/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015044	10.2	10.0	06/17/10

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-11 [TP-104 (0-2/2')]	B015045	10.1	50.0	06/17/10
10F0414-12 [TP-105 (0-1/0.5')]	B015045	10.0	50.0	06/17/10
10F0414-13 [TP-103 (0-1/0.5')]	B015045	10.0	50.0	06/17/10
10F0414-14 [TP-102 (0-2/0.5')]	B015045	10.1	50.0	06/17/10
10F0414-15 [TP-101 (0-1/1')]	B015045	10.3	50.0	06/17/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015045	10.2	50.0	06/17/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015026	7.30	10.0	06/16/10
10F0414-02 [TP-107 (3-4/4')]	B015026	6.40	10.0	06/16/10
10F0414-03 [TP-109 (5-6/6')]	B015026	7.90	10.0	06/16/10
10F0414-04 [TP-109 (0-3/2')]	B015026	9.00	10.0	06/16/10
10F0414-05 [TP-108 (0-3/2')]	B015026	4.80	10.0	06/16/10
10F0414-06 [TP-108 (4-5/4')]	B015026	6.30	10.0	06/16/10
10F0414-07 [B-5 (3-4/4')]	B015026	6.70	10.0	06/16/10
10F0414-08 [TP-106 (0-3/2')]	B015026	4.70	10.0	06/16/10
10F0414-09 [DUP-3 (0-3/2')]	B015026	4.30	10.0	06/16/10
10F0414-10 [B-6 (3-4/4')]	B015026	8.40	10.0	06/16/10
10F0414-11 [TP-104 (0-2/2')]	B015026	5.00	10.0	06/16/10
10F0414-17 [Trip Blank]	B015026	5.00	10.0	06/16/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-12 [TP-105 (0-1/0.5')]	B015028	5.10	10.0	06/16/10
10F0414-13 [TP-103 (0-1/0.5')]	B015028	5.20	10.0	06/16/10
10F0414-14 [TP-102 (0-2/0.5')]	B015028	7.00	10.0	06/16/10
10F0414-15 [TP-101 (0-1/1')]	B015028	5.90	10.0	06/16/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015028	6.90	10.0	06/16/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-01 [TP-107 (0-2/2')]	B015082	30.0	1.00	06/18/10
10F0414-01RE1 [TP-107 (0-2/2')]	B015082	30.0	1.00	06/18/10
10F0414-02 [TP-107 (3-4/4')]	B015082	30.0	1.00	06/18/10
10F0414-03 [TP-109 (5-6/6')]	B015082	30.3	1.00	06/18/10
10F0414-04 [TP-109 (0-3/2')]	B015082	30.2	1.00	06/18/10
10F0414-05 [TP-108 (0-3/2')]	B015082	30.0	1.00	06/18/10
10F0414-06 [TP-108 (4-5/4')]	B015082	30.1	1.00	06/18/10
10F0414-07 [B-5 (3-4/4')]	B015082	30.1	1.00	06/18/10

Sample Extraction Data**Prep Method: SW-846 3546-SW-846 8270C**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-08 [TP-106 (0-3/2')]	B015082	30.2	1.00	06/18/10
10F0414-08RE1 [TP-106 (0-3/2')]	B015082	30.2	1.00	06/18/10
10F0414-09 [DUP-3 (0-3/2')]	B015082	30.1	2.00	06/18/10
10F0414-09RE1 [DUP-3 (0-3/2')]	B015082	30.1	2.00	06/18/10
10F0414-10 [B-6 (3-4/4')]	B015082	30.3	1.00	06/18/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0414-11 [TP-104 (0-2/2')]	B015083	30.3	1.00	06/18/10
10F0414-11RE1 [TP-104 (0-2/2')]	B015083	30.3	1.00	06/18/10
10F0414-12 [TP-105 (0-1/0.5')]	B015083	30.3	1.00	06/18/10
10F0414-12RE1 [TP-105 (0-1/0.5')]	B015083	30.3	1.00	06/18/10
10F0414-13 [TP-103 (0-1/0.5')]	B015083	30.1	1.00	06/18/10
10F0414-13RE1 [TP-103 (0-1/0.5')]	B015083	30.1	1.00	06/18/10
10F0414-14 [TP-102 (0-2/0.5')]	B015083	30.2	1.00	06/18/10
10F0414-14RE1 [TP-102 (0-2/0.5')]	B015083	30.2	1.00	06/18/10
10F0414-15 [TP-101 (0-1/1')]	B015083	30.2	1.00	06/18/10
10F0414-15RE1 [TP-101 (0-1/1')]	B015083	30.2	1.00	06/18/10
10F0414-16 [DUP-4 (0-2/0.5')]	B015083	30.1	1.00	06/18/10
10F0414-16RE1 [DUP-4 (0-2/0.5')]	B015083	30.1	1.00	06/18/10

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015026 - SW-846 5035										
Blank (B015026-BLK1)				Prepared & Analyzed: 06/16/10						
Acetone	ND	0.10	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							L-04
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015026 - SW-846 5035
Blank (B015026-BLK1)

Prepared & Analyzed: 06/16/10

n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0489		mg/Kg wet	0.0500		97.8	70-130			
Surrogate: Toluene-d8	0.0503		mg/Kg wet	0.0500		101	70-130			
Surrogate: 4-Bromofluorobenzene	0.0489		mg/Kg wet	0.0500		97.8	70-130			

LCS (B015026-BS1)

Prepared & Analyzed: 06/16/10

Acetone	0.427	0.10	mg/Kg wet	0.200		213	*	70-160		L-02	†
tert-Amyl Methyl Ether (TAME)	0.0237	0.0010	mg/Kg wet	0.0200		119		70-130			
Benzene	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130			
Bromobenzene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
Bromochloromethane	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
Bromodichloromethane	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Bromoform	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130			
Bromomethane	0.00312	0.010	mg/Kg wet	0.0200		15.6	*	40-130		L-04, V-06	†
2-Butanone (MEK)	0.322	0.040	mg/Kg wet	0.200		161	*	70-160		L-02	†
n-Butylbenzene	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130			
sec-Butylbenzene	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130			
tert-Butylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0239	0.0010	mg/Kg wet	0.0200		120		70-130			
Carbon Disulfide	0.0241	0.0060	mg/Kg wet	0.0200		120		70-130			
Carbon Tetrachloride	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
Chlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
Chlorodibromomethane	0.0224	0.0010	mg/Kg wet	0.0200		112		70-130			
Chloroethane	0.0218	0.020	mg/Kg wet	0.0200		109		70-130			
Chloroform	0.0202	0.0040	mg/Kg wet	0.0200		101		70-130			
Chloromethane	0.0190	0.010	mg/Kg wet	0.0200		95.1		70-130			
2-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
4-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130			
1,2-Dibromoethane (EDB)	0.0221	0.0010	mg/Kg wet	0.0200		110		70-130			
Dibromomethane	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130			
1,2-Dichlorobenzene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
1,3-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
1,4-Dichlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015026 - SW-846 5035										
LCS (B015026-BS1)				Prepared & Analyzed: 06/16/10						
Dichlorodifluoromethane (Freon 12)	0.0295	0.020	mg/Kg wet	0.0200		148	40-160			†
1,1-Dichloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
1,2-Dichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1-Dichloroethylene	0.0214	0.0040	mg/Kg wet	0.0200		107	70-130			
cis-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
trans-1,2-Dichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,3-Dichloropropane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
2,2-Dichloropropane	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
1,1-Dichloropropene	0.0192	0.0020	mg/Kg wet	0.0200		95.9	70-130			
cis-1,3-Dichloropropene	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
trans-1,3-Dichloropropene	0.0234	0.0010	mg/Kg wet	0.0200		117	70-130			
Diethyl Ether	0.0225	0.020	mg/Kg wet	0.0200		112	70-130			
Diisopropyl Ether (DIPE)	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130			
1,4-Dioxane	0.192	0.10	mg/Kg wet	0.200		96.2	40-160			V-16 †
Ethylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130			
Hexachlorobutadiene	0.0232	0.0020	mg/Kg wet	0.0200		116	70-160			
2-Hexanone (MBK)	0.296	0.020	mg/Kg wet	0.200		148	70-160			†
Isopropylbenzene (Cumene)	0.0249	0.0020	mg/Kg wet	0.0200		124	70-130			
p-Isopropyltoluene (p-Cymene)	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0217	0.0040	mg/Kg wet	0.0200		109	70-130			
Methylene Chloride	0.0185	0.020	mg/Kg wet	0.0200		92.6	40-160			†
4-Methyl-2-pentanone (MIBK)	0.257	0.020	mg/Kg wet	0.200		128	70-160			†
Naphthalene	0.0236	0.0040	mg/Kg wet	0.0200		118	40-130			†
n-Propylbenzene	0.0231	0.0020	mg/Kg wet	0.0200		115	70-130			
Styrene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
1,1,1,2-Tetrachloroethane	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2,2-Tetrachloroethane	0.0213	0.0010	mg/Kg wet	0.0200		106	70-130			
Tetrachloroethylene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
Tetrahydrofuran	0.0222	0.010	mg/Kg wet	0.0200		111	70-130			
Toluene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2,3-Trichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2,4-Trichlorobenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,1-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130			
1,1,2-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
Trichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Trichlorofluoromethane (Freon 11)	0.0232	0.010	mg/Kg wet	0.0200		116	70-130			
1,2,3-Trichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130			
1,2,4-Trimethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
1,3,5-Trimethylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130			
Vinyl Chloride	0.0226	0.010	mg/Kg wet	0.0200		113	40-130			†
m+p Xylene	0.0470	0.0040	mg/Kg wet	0.0400		117	70-130			
o-Xylene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0492		mg/Kg wet	0.0500		98.4	70-130			
Surrogate: Toluene-d8	0.0496		mg/Kg wet	0.0500		99.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.0497		mg/Kg wet	0.0500		99.4	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015026 - SW-846 5035										
LCS Dup (B015026-BSD1)					Prepared & Analyzed: 06/16/10					
Acetone	0.407	0.10	mg/Kg wet	0.200		203	* 70-160	4.75	25	L-02 †
tert-Amyl Methyl Ether (TAME)	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130	4.92	25	
Benzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1	70-130	6.48	25	
Bromobenzene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	4.56	25	
Bromochloromethane	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130	1.92	25	
Bromodichloromethane	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	5.03	25	
Bromoform	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	1.44	25	
Bromomethane	0.00384	0.010	mg/Kg wet	0.0200		19.2	* 40-130	20.7	25	L-04, V-06 †
2-Butanone (MEK)	0.322	0.040	mg/Kg wet	0.200		161	* 70-160	0.0124	25	L-02 †
n-Butylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	6.20	25	
sec-Butylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	6.54	25	
tert-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-160	5.87	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0225	0.0010	mg/Kg wet	0.0200		112	70-130	6.03	25	
Carbon Disulfide	0.0225	0.0060	mg/Kg wet	0.0200		113	70-130	6.78	25	
Carbon Tetrachloride	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130	5.86	25	
Chlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	8.38	25	
Chlorodibromomethane	0.0218	0.0010	mg/Kg wet	0.0200		109	70-130	2.63	25	
Chloroethane	0.0196	0.020	mg/Kg wet	0.0200		98.0	70-130	10.4	25	
Chloroform	0.0189	0.0040	mg/Kg wet	0.0200		94.6	70-130	6.35	25	
Chloromethane	0.0177	0.010	mg/Kg wet	0.0200		88.7	70-130	6.96	25	
2-Chlorotoluene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130	4.17	25	
4-Chlorotoluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	4.56	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130	0.183	25	
1,2-Dibromoethane (EDB)	0.0215	0.0010	mg/Kg wet	0.0200		108	70-130	2.57	25	
Dibromomethane	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	1.67	25	
1,2-Dichlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130	1.57	25	
1,3-Dichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	5.03	25	
1,4-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	1.59	25	
Dichlorodifluoromethane (Freon 12)	0.0290	0.020	mg/Kg wet	0.0200		145	40-160	1.78	25	†
1,1-Dichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130	4.12	25	
1,2-Dichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130	6.66	25	
1,1-Dichloroethylene	0.0194	0.0040	mg/Kg wet	0.0200		97.2	70-130	9.78	25	
cis-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130	7.19	25	
trans-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130	2.10	25	
1,2-Dichloropropane	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130	7.72	25	
1,3-Dichloropropane	0.0202	0.0010	mg/Kg wet	0.0200		101	70-130	5.86	25	
2,2-Dichloropropane	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130	1.86	25	
1,1-Dichloropropene	0.0178	0.0020	mg/Kg wet	0.0200		89.1	70-130	7.35	25	
cis-1,3-Dichloropropene	0.0196	0.0010	mg/Kg wet	0.0200		97.8	70-130	9.08	25	
trans-1,3-Dichloropropene	0.0219	0.0010	mg/Kg wet	0.0200		109	70-130	6.54	25	
Diethyl Ether	0.0202	0.020	mg/Kg wet	0.0200		101	70-130	10.8	25	
Diisopropyl Ether (DIPE)	0.0217	0.0010	mg/Kg wet	0.0200		109	70-130	3.88	25	
1,4-Dioxane	0.220	0.10	mg/Kg wet	0.200		110	40-160	13.5	50	V-16 † ‡
Ethylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	6.13	25	
Hexachlorobutadiene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-160	2.09	25	
2-Hexanone (MBK)	0.331	0.020	mg/Kg wet	0.200		166	* 70-160	11.2	25	L-07 †
Isopropylbenzene (Cumene)	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130	0.241	25	
p-Isopropyltoluene (p-Cymene)	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	6.96	25	
Methyl tert-Butyl Ether (MTBE)	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130	2.42	25	
Methylene Chloride	0.0196	0.020	mg/Kg wet	0.0200		98.2	40-160	5.87	25	†
4-Methyl-2-pentanone (MIBK)	0.272	0.020	mg/Kg wet	0.200		136	70-160	5.86	25	†
Naphthalene	0.0264	0.0040	mg/Kg wet	0.0200		132	* 40-130	11.1	25	L-07 †

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015026 - SW-846 5035

LCS Dup (B015026-BSD1)

Prepared & Analyzed: 06/16/10

n-Propylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	4.61	25	
Styrene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	7.83	25	
1,1,1,2-Tetrachloroethane	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	3.71	25	
1,1,2,2-Tetrachloroethane	0.0219	0.0010	mg/Kg wet	0.0200		110	70-130	3.06	25	
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	6.04	25	
Tetrahydrofuran	0.0224	0.010	mg/Kg wet	0.0200		112	70-130	0.717	25	
Toluene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130	6.13	25	
1,2,3-Trichlorobenzene	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130	10.5	25	
1,2,4-Trichlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	0.456	25	
1,1,1-Trichloroethane	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130	5.70	25	
1,1,2-Trichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	0.477	25	
Trichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	5.19	25	
Trichlorofluoromethane (Freon 11)	0.0224	0.010	mg/Kg wet	0.0200		112	70-130	3.42	25	
1,2,3-Trichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	7.41	25	
1,2,4-Trimethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130	5.49	25	
1,3,5-Trimethylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	2.73	25	
Vinyl Chloride	0.0204	0.010	mg/Kg wet	0.0200		102	40-130	10.1	25	†
m+p Xylene	0.0430	0.0040	mg/Kg wet	0.0400		108	70-130	8.76	25	
o-Xylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	6.92	25	
Surrogate: 1,2-Dichloroethane-d4	0.0494		mg/Kg wet	0.0500		98.8	70-130			
Surrogate: Toluene-d8	0.0508		mg/Kg wet	0.0500		102	70-130			
Surrogate: 4-Bromofluorobenzene	0.0518		mg/Kg wet	0.0500		104	70-130			

Matrix Spike (B015026-MS1)

Source: 10F0414-01

Prepared & Analyzed: 06/16/10

Acetone	0.552	0.098	mg/Kg dry	0.197	ND	280	*	70-130		L-02, MS-14
tert-Amyl Methyl Ether (TAME)	0.0245	0.00098	mg/Kg dry	0.0197	ND	125		70-130		
Benzene	0.0206	0.0020	mg/Kg dry	0.0197	ND	105		70-130		
Bromobenzene	0.0195	0.0020	mg/Kg dry	0.0197	ND	98.9		70-130		
Bromochloromethane	0.0204	0.0020	mg/Kg dry	0.0197	ND	104		70-130		
Bromodichloromethane	0.0199	0.0020	mg/Kg dry	0.0197	ND	101		70-130		
Bromoform	0.0172	0.0020	mg/Kg dry	0.0197	ND	87.6		70-130		
Bromomethane	0.00756	0.0098	mg/Kg dry	0.0197	ND	38.4	*	70-130		L-04, MS-08, V-06
2-Butanone (MEK)	0.370	0.039	mg/Kg dry	0.197	ND	188	*	70-130		L-02, MS-14
n-Butylbenzene	0.0217	0.0020	mg/Kg dry	0.0197	ND	110		70-130		
sec-Butylbenzene	0.0209	0.0020	mg/Kg dry	0.0197	ND	106		70-130		
tert-Butylbenzene	0.0211	0.0020	mg/Kg dry	0.0197	ND	107		70-130		
tert-Butyl Ethyl Ether (TBEE)	0.0245	0.00098	mg/Kg dry	0.0197	ND	125		70-130		
Carbon Disulfide	0.0250	0.0059	mg/Kg dry	0.0197	ND	127		70-130		
Carbon Tetrachloride	0.0200	0.0020	mg/Kg dry	0.0197	ND	102		70-130		
Chlorobenzene	0.0201	0.0020	mg/Kg dry	0.0197	ND	102		70-130		
Chlorodibromomethane	0.0208	0.00098	mg/Kg dry	0.0197	ND	106		70-130		
Chloroethane	0.0252	0.020	mg/Kg dry	0.0197	ND	128		70-130		
Chloroform	0.0210	0.0039	mg/Kg dry	0.0197	ND	106		70-130		
Chloromethane	0.0216	0.0098	mg/Kg dry	0.0197	ND	110		70-130		
2-Chlorotoluene	0.0199	0.0020	mg/Kg dry	0.0197	ND	101		70-130		
4-Chlorotoluene	0.0208	0.0020	mg/Kg dry	0.0197	ND	106		70-130		
1,2-Dibromo-3-chloropropane (DBCP)	0.0189	0.0020	mg/Kg dry	0.0197	ND	96.0		70-130		
1,2-Dibromoethane (EDB)	0.0212	0.00098	mg/Kg dry	0.0197	ND	108		70-130		
Dibromomethane	0.0218	0.0020	mg/Kg dry	0.0197	ND	111		70-130		
1,2-Dichlorobenzene	0.0201	0.0020	mg/Kg dry	0.0197	ND	102		70-130		
1,3-Dichlorobenzene	0.0198	0.0020	mg/Kg dry	0.0197	ND	100		70-130		
1,4-Dichlorobenzene	0.0199	0.0020	mg/Kg dry	0.0197	ND	101		70-130		

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015026 - SW-846 5035										
Matrix Spike (B015026-MS1)		Source: 10F0414-01			Prepared & Analyzed: 06/16/10					
Dichlorodifluoromethane (Freon 12)	0.0297	0.020	mg/Kg dry	0.0197	ND	151	*	70-130		MS-14
1,1-Dichloroethane	0.0210	0.0020	mg/Kg dry	0.0197	ND	107		70-130		
1,2-Dichloroethane	0.0212	0.0020	mg/Kg dry	0.0197	ND	108		70-130		
1,1-Dichloroethylene	0.0241	0.0039	mg/Kg dry	0.0197	ND	122		70-130		
cis-1,2-Dichloroethylene	0.0215	0.0020	mg/Kg dry	0.0197	ND	109		70-130		
trans-1,2-Dichloroethylene	0.0213	0.0020	mg/Kg dry	0.0197	ND	108		70-130		
1,2-Dichloropropane	0.0217	0.0020	mg/Kg dry	0.0197	ND	110		70-130		
1,3-Dichloropropane	0.0205	0.00098	mg/Kg dry	0.0197	ND	104		70-130		
2,2-Dichloropropane	0.0208	0.0020	mg/Kg dry	0.0197	ND	106		70-130		
1,1-Dichloropropene	0.0196	0.0020	mg/Kg dry	0.0197	ND	99.4		70-130		
cis-1,3-Dichloropropene	0.0205	0.00098	mg/Kg dry	0.0197	ND	104		70-130		
trans-1,3-Dichloropropene	0.0225	0.00098	mg/Kg dry	0.0197	ND	114		70-130		
Diethyl Ether	0.0283	0.020	mg/Kg dry	0.0197	ND	144	*	70-130		MS-14
Diisopropyl Ether (DIPE)	0.0244	0.00098	mg/Kg dry	0.0197	ND	124		70-130		
1,4-Dioxane	0.212	0.098	mg/Kg dry	0.197	ND	108		70-130		V-16
Ethylbenzene	0.0205	0.0020	mg/Kg dry	0.0197	ND	104		70-130		
Hexachlorobutadiene	0.0202	0.0020	mg/Kg dry	0.0197	ND	103		70-130		
2-Hexanone (MBK)	0.350	0.020	mg/Kg dry	0.197	ND	178	*	70-130		MS-14
Isopropylbenzene (Cumene)	0.0239	0.0020	mg/Kg dry	0.0197	ND	122		70-130		
p-Isopropyltoluene (p-Cymene)	0.0216	0.0020	mg/Kg dry	0.0197	ND	110		70-130		
Methyl tert-Butyl Ether (MTBE)	0.0216	0.0039	mg/Kg dry	0.0197	ND	110		70-130		
Methylene Chloride	0.0264	0.020	mg/Kg dry	0.0197	ND	134	*	70-130		MS-14
4-Methyl-2-pentanone (MIBK)	0.290	0.020	mg/Kg dry	0.197	ND	147	*	70-130		MS-14
Naphthalene	0.0184	0.0039	mg/Kg dry	0.0197	ND	93.5		70-130		
n-Propylbenzene	0.0217	0.0020	mg/Kg dry	0.0197	ND	110		70-130		
Styrene	0.0203	0.0020	mg/Kg dry	0.0197	ND	103		70-130		
1,1,1,2-Tetrachloroethane	0.0190	0.0020	mg/Kg dry	0.0197	ND	96.5		70-130		
1,1,2,2-Tetrachloroethane	0.0202	0.00098	mg/Kg dry	0.0197	ND	103		70-130		
Tetrachloroethylene	0.0214	0.0020	mg/Kg dry	0.0197	ND	109		70-130		
Tetrahydrofuran	0.0238	0.0098	mg/Kg dry	0.0197	ND	121		70-130		
Toluene	0.0209	0.0020	mg/Kg dry	0.0197	ND	106		70-130		
1,2,3-Trichlorobenzene	0.0189	0.0020	mg/Kg dry	0.0197	ND	96.3		70-130		
1,2,4-Trichlorobenzene	0.0194	0.0020	mg/Kg dry	0.0197	ND	98.8		70-130		
1,1,1-Trichloroethane	0.0204	0.0020	mg/Kg dry	0.0197	ND	104		70-130		
1,1,2-Trichloroethane	0.0211	0.0020	mg/Kg dry	0.0197	ND	107		70-130		
Trichloroethylene	0.0203	0.0020	mg/Kg dry	0.0197	ND	103		70-130		
Trichlorofluoromethane (Freon 11)	0.0249	0.0098	mg/Kg dry	0.0197	ND	126		70-130		
1,2,3-Trichloropropane	0.0187	0.0020	mg/Kg dry	0.0197	ND	95.1		70-130		
1,2,4-Trimethylbenzene	0.0214	0.0020	mg/Kg dry	0.0197	ND	109		70-130		
1,3,5-Trimethylbenzene	0.0208	0.0020	mg/Kg dry	0.0197	ND	106		70-130		
Vinyl Chloride	0.0261	0.0098	mg/Kg dry	0.0197	ND	133	*	70-130		MS-14
m+p Xylene	0.0434	0.0039	mg/Kg dry	0.0394	ND	110		70-130		
o-Xylene	0.0202	0.0020	mg/Kg dry	0.0197	ND	102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.0512		mg/Kg dry	0.0492		104		70-130		
Surrogate: Toluene-d8	0.0508		mg/Kg dry	0.0492		103		70-130		
Surrogate: 4-Bromofluorobenzene	0.0489		mg/Kg dry	0.0492		99.5		70-130		

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015028 - SW-846 5035										
Blank (B015028-BLK1)				Prepared & Analyzed: 06/16/10						
Acetone	ND	0.10	mg/Kg wet							R-05, V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							R-05, V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							R-05
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015028 - SW-846 5035										
Blank (B015028-BLK1)				Prepared & Analyzed: 06/16/10						
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0529		mg/Kg wet	0.0500		106	70-130			
Surrogate: Toluene-d8	0.0514		mg/Kg wet	0.0500		103	70-130			
Surrogate: 4-Bromofluorobenzene	0.0503		mg/Kg wet	0.0500		101	70-130			
LCS (B015028-BS1)				Prepared & Analyzed: 06/16/10						
Acetone	0.312	0.10	mg/Kg wet	0.200		156	70-160			R-05, V-16 †
tert-Amyl Methyl Ether (TAME)	0.0199	0.0010	mg/Kg wet	0.0200		99.7	70-130			
Benzene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
Bromobenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
Bromochloromethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Bromodichloromethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130			
Bromoform	0.0288	0.0020	mg/Kg wet	0.0200		144 *	70-130			L-02, V-06
Bromomethane	0.00814	0.010	mg/Kg wet	0.0200		40.7	40-130			†
2-Butanone (MEK)	0.250	0.040	mg/Kg wet	0.200		125	70-160			R-05, V-16 †
n-Butylbenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130			
sec-Butylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
tert-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-160			†
tert-Butyl Ethyl Ether (TBEE)	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130			
Carbon Disulfide	0.0215	0.0060	mg/Kg wet	0.0200		108	70-130			
Carbon Tetrachloride	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130			
Chlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130			
Chlorodibromomethane	0.0279	0.0010	mg/Kg wet	0.0200		140 *	70-130			L-02, V-06
Chloroethane	0.0185	0.020	mg/Kg wet	0.0200		92.6	70-130			
Chloroform	0.0213	0.0040	mg/Kg wet	0.0200		106	70-130			
Chloromethane	0.0141	0.010	mg/Kg wet	0.0200		70.6	70-130			
2-Chlorotoluene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130			
4-Chlorotoluene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,2-Dibromoethane (EDB)	0.0213	0.0010	mg/Kg wet	0.0200		106	70-130			
Dibromomethane	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
1,3-Dichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
1,4-Dichlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015028 - SW-846 5035										
LCS (B015028-BS1)				Prepared & Analyzed: 06/16/10						
Dichlorodifluoromethane (Freon 12)	0.0198	0.020	mg/Kg wet	0.0200		99.0	40-160			V-05 †
1,1-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130			
1,2-Dichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1-Dichloroethylene	0.0202	0.0040	mg/Kg wet	0.0200		101	70-130			
cis-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
1,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130			
1,3-Dichloropropane	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
2,2-Dichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130			
1,1-Dichloropropene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
cis-1,3-Dichloropropene	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130			
trans-1,3-Dichloropropene	0.0233	0.0020	mg/Kg wet	0.0200		117	70-130			
Diethyl Ether	0.0183	0.020	mg/Kg wet	0.0200		91.5	70-130			
Diisopropyl Ether (DIPE)	0.0190	0.0010	mg/Kg wet	0.0200		94.8	70-130			
1,4-Dioxane	0.197	0.10	mg/Kg wet	0.200		98.6	40-160			V-16 †
Ethylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
Hexachlorobutadiene	0.0242	0.0020	mg/Kg wet	0.0200		121	70-160			
2-Hexanone (MBK)	0.218	0.020	mg/Kg wet	0.200		109	70-160			R-05 †
Isopropylbenzene (Cumene)	0.0255	0.0020	mg/Kg wet	0.0200		127	70-130			
p-Isopropyltoluene (p-Cymene)	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.0	70-130			
Methylene Chloride	0.0184	0.020	mg/Kg wet	0.0200		92.2	40-160			†
4-Methyl-2-pentanone (MIBK)	0.190	0.020	mg/Kg wet	0.200		95.2	70-160			†
Naphthalene	0.0220	0.0040	mg/Kg wet	0.0200		110	40-130			†
n-Propylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Styrene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
1,1,1,2-Tetrachloroethane	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130			
1,1,2,2-Tetrachloroethane	0.0194	0.0010	mg/Kg wet	0.0200		97.1	70-130			
Tetrachloroethylene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130			
Tetrahydrofuran	0.0168	0.010	mg/Kg wet	0.0200		84.2	70-130			V-16
Toluene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
1,2,3-Trichlorobenzene	0.0230	0.0020	mg/Kg wet	0.0200		115	70-130			
1,2,4-Trichlorobenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
1,1,1-Trichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130			
Trichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Trichlorofluoromethane (Freon 11)	0.0251	0.010	mg/Kg wet	0.0200		125	70-130			
1,2,3-Trichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
1,2,4-Trimethylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130			
1,3,5-Trimethylbenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130			
Vinyl Chloride	0.0174	0.010	mg/Kg wet	0.0200		87.2	40-130			†
m+p Xylene	0.0426	0.0040	mg/Kg wet	0.0400		107	70-130			
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0524		mg/Kg wet	0.0500		105	70-130			
Surrogate: Toluene-d8	0.0524		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0507		mg/Kg wet	0.0500		101	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015028 - SW-846 5035										
LCS Dup (B015028-BSD1)				Prepared & Analyzed: 06/16/10						
Acetone	0.189	0.10	mg/Kg wet	0.200		94.3	70-160	49.2 *	25	V-16, R-05 †
tert-Amyl Methyl Ether (TAME)	0.0192	0.0010	mg/Kg wet	0.0200		96.0	70-130	3.78	25	
Benzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130	1.42	25	
Bromobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130	5.31	25	
Bromochloromethane	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	3.88	25	
Bromodichloromethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	4.83	25	
Bromoform	0.0269	0.0020	mg/Kg wet	0.0200		134 *	70-130	6.83	25	L-02, V-06
Bromomethane	0.00928	0.010	mg/Kg wet	0.0200		46.4	40-130	13.1	25	†
2-Butanone (MEK)	0.184	0.040	mg/Kg wet	0.200		91.8	70-160	30.5 *	25	R-05, V-16 †
n-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	3.04	25	
sec-Butylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	0.735	25	
tert-Butylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-160	1.01	25	†
tert-Butyl Ethyl Ether (TBEE)	0.0193	0.0010	mg/Kg wet	0.0200		96.4	70-130	3.77	25	
Carbon Disulfide	0.0217	0.0060	mg/Kg wet	0.0200		109	70-130	0.924	25	
Carbon Tetrachloride	0.0231	0.0020	mg/Kg wet	0.0200		116	70-130	0.432	25	
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	2.99	25	
Chlorodibromomethane	0.0263	0.0010	mg/Kg wet	0.0200		131 *	70-130	6.06	25	L-02, V-06
Chloroethane	0.0184	0.020	mg/Kg wet	0.0200		92.0	70-130	0.650	25	
Chloroform	0.0208	0.0040	mg/Kg wet	0.0200		104	70-130	2.38	25	
Chloromethane	0.0145	0.010	mg/Kg wet	0.0200		72.5	70-130	2.66	25	
2-Chlorotoluene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130	5.69	25	
4-Chlorotoluene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	6.81	25	
1,2-Dibromo-3-chloropropane (DBCP)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	4.66	25	
1,2-Dibromoethane (EDB)	0.0203	0.0010	mg/Kg wet	0.0200		101	70-130	4.91	25	
Dibromomethane	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130	5.85	25	
1,2-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	1.86	25	
1,3-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130	3.57	25	
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130	3.22	25	
Dichlorodifluoromethane (Freon 12)	0.0191	0.020	mg/Kg wet	0.0200		95.4	40-160	3.70	25	V-05 †
1,1-Dichloroethane	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130	0.708	25	
1,2-Dichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130	4.32	25	
1,1-Dichloroethylene	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130	1.38	25	
cis-1,2-Dichloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130	0.498	25	
trans-1,2-Dichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	0.892	25	
1,2-Dichloropropane	0.0191	0.0020	mg/Kg wet	0.0200		95.3	70-130	1.77	25	
1,3-Dichloropropane	0.0192	0.0010	mg/Kg wet	0.0200		95.8	70-130	4.59	25	
2,2-Dichloropropane	0.0190	0.0020	mg/Kg wet	0.0200		95.2	70-130	1.98	25	
1,1-Dichloropropene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	0.392	25	
cis-1,3-Dichloropropene	0.0204	0.0010	mg/Kg wet	0.0200		102	70-130	4.69	25	
trans-1,3-Dichloropropene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	6.82	25	
Diethyl Ether	0.0185	0.020	mg/Kg wet	0.0200		92.7	70-130	1.30	25	
Diisopropyl Ether (DIPE)	0.0185	0.0010	mg/Kg wet	0.0200		92.7	70-130	2.24	25	
1,4-Dioxane	0.179	0.10	mg/Kg wet	0.200		89.3	40-160	9.95	50	V-16 † ‡
Ethylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	2.38	25	
Hexachlorobutadiene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-160	2.43	25	
2-Hexanone (MBK)	0.167	0.020	mg/Kg wet	0.200		83.4	70-160	26.5 *	25	R-05 †
Isopropylbenzene (Cumene)	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130	3.84	25	
p-Isopropyltoluene (p-Cymene)	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	2.17	25	
Methyl tert-Butyl Ether (MTBE)	0.0193	0.0040	mg/Kg wet	0.0200		96.3	70-130	1.75	25	
Methylene Chloride	0.0185	0.020	mg/Kg wet	0.0200		92.3	40-160	0.108	25	†
4-Methyl-2-pentanone (MIBK)	0.172	0.020	mg/Kg wet	0.200		86.1	70-160	10.1	25	†
Naphthalene	0.0202	0.0040	mg/Kg wet	0.0200		101	40-130	8.51	25	†

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015028 - SW-846 5035										
LCS Dup (B015028-BSD1)				Prepared & Analyzed: 06/16/10						
n-Propylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	6.14	25	
Styrene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	5.35	25	
1,1,1,2-Tetrachloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	3.95	25	
1,1,2,2-Tetrachloroethane	0.0183	0.0010	mg/Kg wet	0.0200		91.4	70-130	6.05	25	
Tetrachloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	1.95	25	
Tetrahydrofuran	0.0195	0.010	mg/Kg wet	0.0200		97.3	70-130	14.4	25	V-16
Toluene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130	2.74	25	
1,2,3-Trichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130	8.25	25	
1,2,4-Trichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130	8.35	25	
1,1,1-Trichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	0.365	25	
1,1,2-Trichloroethane	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130	10.3	25	
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	2.31	25	
Trichlorofluoromethane (Freon 11)	0.0249	0.010	mg/Kg wet	0.0200		124	70-130	0.720	25	
1,2,3-Trichloropropane	0.0168	0.0020	mg/Kg wet	0.0200		84.2	70-130	8.75	25	
1,2,4-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	2.16	25	
1,3,5-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130	5.26	25	
Vinyl Chloride	0.0173	0.010	mg/Kg wet	0.0200		86.5	40-130	0.806	25	†
m+p Xylene	0.0413	0.0040	mg/Kg wet	0.0400		103	70-130	3.19	25	
o-Xylene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	3.74	25	
Surrogate: 1,2-Dichloroethane-d4	0.0519		mg/Kg wet	0.0500		104	70-130			
Surrogate: Toluene-d8	0.0525		mg/Kg wet	0.0500		105	70-130			
Surrogate: 4-Bromofluorobenzene	0.0502		mg/Kg wet	0.0500		100	70-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015082 - SW-846 3546
Blank (B015082-BLK1)

Prepared: 06/18/10 Analyzed: 06/20/10

Acenaphthene	ND	0.17	mg/Kg wet
Acenaphthylene	ND	0.17	mg/Kg wet
Acetophenone	ND	0.34	mg/Kg wet
Aniline	ND	0.34	mg/Kg wet
Anthracene	ND	0.17	mg/Kg wet
Benzo(a)anthracene	ND	0.17	mg/Kg wet
Benzo(a)pyrene	ND	0.17	mg/Kg wet
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet
4-Bromophenylphenylether	ND	0.34	mg/Kg wet
Butylbenzylphthalate	ND	0.66	mg/Kg wet
4-Chloroaniline	ND	0.66	mg/Kg wet
2-Chloronaphthalene	ND	0.34	mg/Kg wet
2-Chlorophenol	ND	0.34	mg/Kg wet
Chrysene	ND	0.17	mg/Kg wet
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet
Dibenzofuran	ND	0.34	mg/Kg wet
Di-n-butylphthalate	ND	0.34	mg/Kg wet
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet
2,4-Dichlorophenol	ND	0.34	mg/Kg wet
Diethylphthalate	ND	0.34	mg/Kg wet
2,4-Dimethylphenol	ND	0.34	mg/Kg wet
Dimethylphthalate	ND	0.66	mg/Kg wet
2,4-Dinitrophenol	ND	0.66	mg/Kg wet
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet
Di-n-octylphthalate	ND	0.66	mg/Kg wet
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet
Fluoranthene	ND	0.17	mg/Kg wet
Fluorene	ND	0.17	mg/Kg wet
Hexachlorobenzene	ND	0.34	mg/Kg wet
Hexachlorobutadiene	ND	0.34	mg/Kg wet
Hexachloroethane	ND	0.34	mg/Kg wet
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet
Isophorone	ND	0.34	mg/Kg wet
2-Methylnaphthalene	ND	0.17	mg/Kg wet
2-Methylphenol	ND	0.34	mg/Kg wet
3/4-Methylphenol	ND	0.34	mg/Kg wet
Naphthalene	ND	0.17	mg/Kg wet
Nitrobenzene	ND	0.34	mg/Kg wet
2-Nitrophenol	ND	0.34	mg/Kg wet
4-Nitrophenol	ND	0.66	mg/Kg wet
Pentachlorophenol	ND	0.34	mg/Kg wet
Phenanthrene	ND	0.17	mg/Kg wet

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015082 - SW-846 3546
Blank (B015082-BLK1)

Prepared: 06/18/10 Analyzed: 06/20/10

Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	5.76		mg/Kg wet	6.67		86.4	30-130			
Surrogate: Phenol-d6	5.79		mg/Kg wet	6.67		86.8	30-130			
Surrogate: Nitrobenzene-d5	2.94		mg/Kg wet	3.33		88.3	30-130			
Surrogate: 2-Fluorobiphenyl	2.86		mg/Kg wet	3.33		86.0	30-130			
Surrogate: 2,4,6-Tribromophenol	6.30		mg/Kg wet	6.67		94.5	30-130			
Surrogate: Terphenyl-d14	3.85		mg/Kg wet	3.33		115	30-130			

LCS (B015082-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

Acenaphthene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140			
Acetophenone	0.671	0.34	mg/Kg wet	0.833		80.5	40-140			
Aniline	1.10	0.34	mg/Kg wet	1.67		66.1	10-140			†
Anthracene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
Benzo(a)pyrene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Benzo(b)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.3	40-140			
Benzo(g,h,i)perylene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140			
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140			
Bis(2-chloroethoxy)methane	1.45	0.34	mg/Kg wet	1.67		87.3	40-140			
Bis(2-chloroethyl)ether	1.40	0.34	mg/Kg wet	1.67		84.0	40-140			
Bis(2-chloroisopropyl)ether	1.27	0.34	mg/Kg wet	1.67		75.9	40-140			
Bis(2-Ethylhexyl)phthalate	1.80	0.34	mg/Kg wet	1.67		108	40-140			
4-Bromophenylphenylether	1.55	0.34	mg/Kg wet	1.67		92.8	40-140			
Butylbenzylphthalate	1.70	0.66	mg/Kg wet	1.67		102	40-140			
4-Chloroaniline	0.347	0.66	mg/Kg wet	1.67		20.8	10-140			†
2-Chloronaphthalene	1.24	0.34	mg/Kg wet	1.67		74.1	40-140			
2-Chlorophenol	1.40	0.34	mg/Kg wet	1.67		83.9	30-130			
Chrysene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Dibenz(a,h)anthracene	1.29	0.17	mg/Kg wet	1.67		77.7	40-140			
Dibenzofuran	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
Di-n-butylphthalate	1.48	0.34	mg/Kg wet	1.67		88.6	40-140			
1,2-Dichlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.8	40-140			
1,3-Dichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.7	40-140			
1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.1	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	20-140			†
2,4-Dichlorophenol	1.59	0.34	mg/Kg wet	1.67		95.1	30-130			
Diethylphthalate	1.44	0.34	mg/Kg wet	1.67		86.2	40-140			
2,4-Dimethylphenol	1.53	0.34	mg/Kg wet	1.67		91.6	30-130			
Dimethylphthalate	1.44	0.66	mg/Kg wet	1.67		86.6	40-140			
2,4-Dinitrophenol	0.733	0.66	mg/Kg wet	1.67		44.0	30-130			
2,4-Dinitrotoluene	1.57	0.34	mg/Kg wet	1.67		94.0	40-140			
2,6-Dinitrotoluene	1.63	0.34	mg/Kg wet	1.67		97.6	40-140			
Di-n-octylphthalate	1.75	0.66	mg/Kg wet	1.67		105	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.55	0.34	mg/Kg wet	1.67		92.7	40-140			
Fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Fluorene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Hexachlorobenzene	1.53	0.34	mg/Kg wet	1.67		92.1	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015082 - SW-846 3546
LCS (B015082-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

Hexachlorobutadiene	1.43	0.34	mg/Kg wet	1.67		85.6	40-140			
Hexachloroethane	1.37	0.34	mg/Kg wet	1.67		82.0	40-140			
Indeno(1,2,3-cd)pyrene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140			
Isophorone	1.58	0.34	mg/Kg wet	1.67		94.7	40-140			
2-Methylnaphthalene	1.44	0.17	mg/Kg wet	1.67		86.4	40-140			
2-Methylphenol	1.35	0.34	mg/Kg wet	1.67		81.0	30-130			
3/4-Methylphenol	1.31	0.34	mg/Kg wet	1.67		78.6	30-130			
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
Nitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.3	40-140			
2-Nitrophenol	1.45	0.34	mg/Kg wet	1.67		87.3	30-130			
4-Nitrophenol	1.49	0.66	mg/Kg wet	1.67		89.5	30-130			
Pentachlorophenol	1.20	0.34	mg/Kg wet	1.67		71.7	30-130			
Phenanthrene	1.13	0.17	mg/Kg wet	1.67		67.8	40-140			
Phenol	1.52	0.34	mg/Kg wet	1.67		91.4	30-130			
Pyrene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
1,2,4-Trichlorobenzene	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
2,4,5-Trichlorophenol	1.50	0.34	mg/Kg wet	1.67		89.9	30-130			
2,4,6-Trichlorophenol	1.59	0.34	mg/Kg wet	1.67		95.4	30-130			
Surrogate: 2-Fluorophenol	5.61		mg/Kg wet	6.67		84.2	30-130			
Surrogate: Phenol-d6	5.68		mg/Kg wet	6.67		85.1	30-130			
Surrogate: Nitrobenzene-d5	2.90		mg/Kg wet	3.33		87.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.78		mg/Kg wet	3.33		83.3	30-130			
Surrogate: 2,4,6-Tribromophenol	7.44		mg/Kg wet	6.67		112	30-130			
Surrogate: Terphenyl-d14	3.54		mg/Kg wet	3.33		106	30-130			

LCS Dup (B015082-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

Acenaphthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	1.37	30	
Acenaphthylene	1.12	0.17	mg/Kg wet	1.67		67.4	40-140	1.44	30	
Acetophenone	0.646	0.34	mg/Kg wet	0.833		77.5	40-140	3.85	30	
Aniline	1.20	0.34	mg/Kg wet	1.67		72.0	10-140	8.48	50	† ‡
Anthracene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140	0.895	30	
Benzo(a)anthracene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140	2.49	30	
Benzo(a)pyrene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	1.64	30	
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		65.8	40-140	2.21	30	
Benzo(g,h,i)perylene	1.33	0.17	mg/Kg wet	1.67		79.6	40-140	1.93	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.7	40-140	0.995	30	
Bis(2-chloroethoxy)methane	1.46	0.34	mg/Kg wet	1.67		87.7	40-140	0.503	30	
Bis(2-chloroethyl)ether	1.45	0.34	mg/Kg wet	1.67		87.0	40-140	3.49	30	
Bis(2-chloroisopropyl)ether	1.25	0.34	mg/Kg wet	1.67		74.9	40-140	1.35	30	
Bis(2-Ethylhexyl)phthalate	1.83	0.34	mg/Kg wet	1.67		110	40-140	1.21	30	
4-Bromophenylphenylether	1.63	0.34	mg/Kg wet	1.67		97.9	40-140	5.29	30	
Butylbenzylphthalate	1.75	0.66	mg/Kg wet	1.67		105	40-140	2.61	30	
4-Chloroaniline	0.452	0.66	mg/Kg wet	1.67		27.1	10-140	26.4	30	†
2-Chloronaphthalene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140	5.28	30	
2-Chlorophenol	1.43	0.34	mg/Kg wet	1.67		85.6	30-130	1.96	30	
Chrysene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140	2.54	30	
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.3	40-140	3.37	30	
Dibenzofuran	1.43	0.34	mg/Kg wet	1.67		85.6	40-140	4.30	30	
Di-n-butylphthalate	1.52	0.34	mg/Kg wet	1.67		91.0	40-140	2.72	30	
1,2-Dichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.4	40-140	0.828	30	
1,3-Dichlorobenzene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140	0.494	30	
1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	0.152	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015082 - SW-846 3546
LCS Dup (B015082-BSD1)

Prepared: 06/18/10 Analyzed: 06/20/10

3,3-Dichlorobenzidine	1.07	0.17	mg/Kg wet	1.67		64.3	20-140	3.41	50	† ‡
2,4-Dichlorophenol	1.53	0.34	mg/Kg wet	1.67		91.7	30-130	3.68	30	
Diethylphthalate	1.29	0.34	mg/Kg wet	1.67		77.6	40-140	10.5	30	
2,4-Dimethylphenol	1.37	0.34	mg/Kg wet	1.67		82.0	30-130	11.0	30	
Dimethylphthalate	1.35	0.66	mg/Kg wet	1.67		81.2	40-140	6.39	30	
2,4-Dinitrophenol	0.836	0.66	mg/Kg wet	1.67		50.2	30-130	13.1	30	
2,4-Dinitrotoluene	1.42	0.34	mg/Kg wet	1.67		85.2	40-140	9.73	30	
2,6-Dinitrotoluene	1.53	0.34	mg/Kg wet	1.67		91.8	40-140	6.11	30	
Di-n-octylphthalate	1.81	0.66	mg/Kg wet	1.67		109	40-140	3.65	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.64	0.34	mg/Kg wet	1.67		98.7	40-140	6.23	30	
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	5.98	30	
Fluorene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	7.47	30	
Hexachlorobenzene	1.59	0.34	mg/Kg wet	1.67		95.3	40-140	3.48	30	
Hexachlorobutadiene	1.51	0.34	mg/Kg wet	1.67		90.9	40-140	5.94	30	
Hexachloroethane	1.40	0.34	mg/Kg wet	1.67		84.0	40-140	2.46	30	
Indeno(1,2,3-cd)pyrene	1.37	0.17	mg/Kg wet	1.67		82.3	40-140	2.41	30	
Isophorone	1.52	0.34	mg/Kg wet	1.67		91.2	40-140	3.72	30	
2-Methylnaphthalene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	5.59	30	
2-Methylphenol	1.30	0.34	mg/Kg wet	1.67		78.2	30-130	3.52	30	
3/4-Methylphenol	1.22	0.34	mg/Kg wet	1.67		73.0	30-130	7.36	30	
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.3	40-140	0.601	30	
Nitrobenzene	1.41	0.34	mg/Kg wet	1.67		84.4	40-140	1.24	30	
2-Nitrophenol	1.52	0.34	mg/Kg wet	1.67		90.9	30-130	4.09	30	
4-Nitrophenol	1.30	0.66	mg/Kg wet	1.67		78.3	30-130	13.3	50	‡
Pentachlorophenol	1.30	0.34	mg/Kg wet	1.67		78.1	30-130	8.60	30	
Phenanthrene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140	0.940	30	
Phenol	1.47	0.34	mg/Kg wet	1.67		88.4	30-130	3.27	30	
Pyrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	2.60	30	
1,2,4-Trichlorobenzene	1.48	0.34	mg/Kg wet	1.67		88.6	40-140	2.51	30	
2,4,5-Trichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.4	30-130	0.558	30	
2,4,6-Trichlorophenol	1.63	0.34	mg/Kg wet	1.67		97.7	30-130	2.36	30	
Surrogate: 2-Fluorophenol	5.37		mg/Kg wet	6.67		80.6	30-130			
Surrogate: Phenol-d6	5.23		mg/Kg wet	6.67		78.4	30-130			
Surrogate: Nitrobenzene-d5	2.86		mg/Kg wet	3.33		85.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.87		mg/Kg wet	3.33		86.1	30-130			
Surrogate: 2,4,6-Tribromophenol	6.40		mg/Kg wet	6.67		95.9	30-130			
Surrogate: Terphenyl-d14	3.37		mg/Kg wet	3.33		101	30-130			

Matrix Spike (B015082-MS1)
Source: 10F0414-06

Prepared: 06/18/10 Analyzed: 06/21/10

Acenaphthene	1.31	0.21	mg/Kg dry	2.05	ND	63.9	40-140			
Acenaphthylene	1.34	0.21	mg/Kg dry	2.05	ND	65.2	40-140			
Acetophenone	0.826	0.42	mg/Kg dry	1.03	ND	80.5	40-140			
Aniline	1.22	0.42	mg/Kg dry	2.05	ND	59.3	40-140			
Anthracene	1.30	0.21	mg/Kg dry	2.05	ND	63.3	40-140			
Benzo(a)anthracene	1.37	0.21	mg/Kg dry	2.05	ND	66.8	40-140			
Benzo(a)pyrene	1.37	0.21	mg/Kg dry	2.05	ND	67.0	40-140			
Benzo(b)fluoranthene	1.15	0.21	mg/Kg dry	2.05	ND	55.8	40-140			
Benzo(g,h,i)perylene	1.18	0.21	mg/Kg dry	2.05	ND	57.6	40-140			
Benzo(k)fluoranthene	1.20	0.21	mg/Kg dry	2.05	ND	58.3	40-140			
Bis(2-chloroethoxy)methane	1.70	0.42	mg/Kg dry	2.05	ND	82.7	40-140			
Bis(2-chloroethyl)ether	1.75	0.42	mg/Kg dry	2.05	ND	85.2	40-140			
Bis(2-chloroisopropyl)ether	1.53	0.42	mg/Kg dry	2.05	ND	74.7	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015082 - SW-846 3546										
Matrix Spike (B015082-MS1)	Source: 10F0414-06			Prepared: 06/18/10 Analyzed: 06/21/10						
Bis(2-Ethylhexyl)phthalate	1.84	0.42	mg/Kg dry	2.05	ND	89.6	40-140			
4-Bromophenylphenylether	1.91	0.42	mg/Kg dry	2.05	ND	93.2	40-140			
Butylbenzylphthalate	1.72	0.81	mg/Kg dry	2.05	ND	83.6	40-140			
4-Chloroaniline	0.843	0.81	mg/Kg dry	2.05	ND	41.1	40-140			
2-Chloronaphthalene	1.42	0.42	mg/Kg dry	2.05	ND	69.2	40-140			
2-Chlorophenol	1.73	0.42	mg/Kg dry	2.05	ND	84.3	30-130			
Chrysene	1.34	0.21	mg/Kg dry	2.05	ND	65.4	40-140			
Dibenz(a,h)anthracene	1.32	0.21	mg/Kg dry	2.05	ND	64.2	40-140			
Dibenzofuran	1.77	0.42	mg/Kg dry	2.05	ND	86.3	40-140			
Di-n-butylphthalate	1.75	0.42	mg/Kg dry	2.05	ND	85.4	40-140			
1,2-Dichlorobenzene	1.65	0.42	mg/Kg dry	2.05	ND	80.2	40-140			
1,3-Dichlorobenzene	1.56	0.42	mg/Kg dry	2.05	ND	76.1	40-140			
1,4-Dichlorobenzene	1.54	0.42	mg/Kg dry	2.05	ND	75.3	40-140			
3,3-Dichlorobenzidine	1.93	0.21	mg/Kg dry	2.05	ND	94.0	40-140			
2,4-Dichlorophenol	1.86	0.42	mg/Kg dry	2.05	ND	90.7	30-130			
Diethylphthalate	1.71	0.42	mg/Kg dry	2.05	ND	83.4	40-140			
2,4-Dimethylphenol	1.74	0.42	mg/Kg dry	2.05	ND	84.5	30-130			
Dimethylphthalate	1.64	0.81	mg/Kg dry	2.05	ND	79.9	40-140			
2,4-Dinitrophenol	1.61	0.81	mg/Kg dry	2.05	ND	78.5	30-130			
2,4-Dinitrotoluene	2.03	0.42	mg/Kg dry	2.05	ND	98.9	40-140			
2,6-Dinitrotoluene	2.00	0.42	mg/Kg dry	2.05	ND	97.3	40-140			
Di-n-octylphthalate	1.26	0.81	mg/Kg dry	2.05	ND	61.2	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.88	0.42	mg/Kg dry	2.05	ND	91.8	40-140			
Fluoranthene	0.995	0.21	mg/Kg dry	2.05	ND	48.5	40-140			
Fluorene	1.41	0.21	mg/Kg dry	2.05	ND	68.7	40-140			
Hexachlorobenzene	1.85	0.42	mg/Kg dry	2.05	ND	90.1	40-140			
Hexachlorobutadiene	1.69	0.42	mg/Kg dry	2.05	ND	82.1	40-140			
Hexachloroethane	1.63	0.42	mg/Kg dry	2.05	ND	79.6	40-140			
Indeno(1,2,3-cd)pyrene	1.35	0.21	mg/Kg dry	2.05	ND	65.9	40-140			
Isophorone	1.83	0.42	mg/Kg dry	2.05	ND	89.2	40-140			
2-Methylnaphthalene	1.65	0.21	mg/Kg dry	2.05	ND	80.4	40-140			
2-Methylphenol	1.73	0.42	mg/Kg dry	2.05	ND	84.2	30-130			
3/4-Methylphenol	1.62	0.42	mg/Kg dry	2.05	ND	79.1	30-130			
Naphthalene	1.30	0.21	mg/Kg dry	2.05	ND	63.4	40-140			
Nitrobenzene	1.66	0.42	mg/Kg dry	2.05	ND	81.0	40-140			
2-Nitrophenol	1.84	0.42	mg/Kg dry	2.05	ND	89.5	30-130			
4-Nitrophenol	1.91	0.81	mg/Kg dry	2.05	ND	93.2	30-130			
Pentachlorophenol	1.27	0.42	mg/Kg dry	2.05	ND	61.9	30-130			
Phenanthrene	1.30	0.21	mg/Kg dry	2.05	ND	63.3	40-140			
Phenol	1.84	0.42	mg/Kg dry	2.05	ND	89.9	30-130			
Pyrene	1.24	0.21	mg/Kg dry	2.05	ND	60.2	40-140			
1,2,4-Trichlorobenzene	1.66	0.42	mg/Kg dry	2.05	ND	81.0	40-140			
2,4,5-Trichlorophenol	1.83	0.42	mg/Kg dry	2.05	ND	89.2	30-130			
2,4,6-Trichlorophenol	1.84	0.42	mg/Kg dry	2.05	ND	89.5	30-130			
Surrogate: 2-Fluorophenol	6.54		mg/Kg dry	8.21		79.7	30-130			
Surrogate: Phenol-d6	6.88		mg/Kg dry	8.21		83.8	30-130			
Surrogate: Nitrobenzene-d5	3.32		mg/Kg dry	4.10		81.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.95		mg/Kg dry	4.10		71.8	30-130			
Surrogate: 2,4,6-Tribromophenol	8.58		mg/Kg dry	8.21		105	30-130			
Surrogate: Terphenyl-d14	3.17		mg/Kg dry	4.10		77.3	30-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015082 - SW-846 3546										
Matrix Spike Dup (B015082-MSD1)	Source: 10F0414-06			Prepared: 06/18/10 Analyzed: 06/21/10						
Acenaphthene	1.39	0.21	mg/Kg dry	2.06	ND	67.6	40-140	6.05	30	
Acenaphthylene	1.43	0.21	mg/Kg dry	2.06	ND	69.4	40-140	6.63	30	
Acetophenone	0.833	0.42	mg/Kg dry	1.03	ND	80.9	40-140	0.876	30	
Aniline	1.29	0.42	mg/Kg dry	2.06	ND	62.7	40-140	5.87	30	
Anthracene	1.41	0.21	mg/Kg dry	2.06	ND	68.3	40-140	7.90	30	
Benzo(a)anthracene	1.48	0.21	mg/Kg dry	2.06	ND	71.7	40-140	7.44	30	
Benzo(a)pyrene	1.46	0.21	mg/Kg dry	2.06	ND	70.9	40-140	5.96	30	
Benzo(b)fluoranthene	1.24	0.21	mg/Kg dry	2.06	ND	60.3	40-140	8.08	30	
Benzo(g,h,i)perylene	1.19	0.21	mg/Kg dry	2.06	ND	57.8	40-140	0.747	30	
Benzo(k)fluoranthene	1.30	0.21	mg/Kg dry	2.06	ND	63.1	40-140	8.17	30	
Bis(2-chloroethoxy)methane	1.82	0.42	mg/Kg dry	2.06	ND	88.4	40-140	6.99	30	
Bis(2-chloroethyl)ether	1.90	0.42	mg/Kg dry	2.06	ND	92.1	40-140	8.11	30	
Bis(2-chloroisopropyl)ether	1.64	0.42	mg/Kg dry	2.06	ND	79.5	40-140	6.53	30	
Bis(2-Ethylhexyl)phthalate	2.01	0.42	mg/Kg dry	2.06	ND	97.5	40-140	8.73	30	
4-Bromophenylphenylether	1.88	0.42	mg/Kg dry	2.06	ND	91.5	40-140	1.49	30	
Butylbenzylphthalate	1.85	0.82	mg/Kg dry	2.06	ND	89.8	40-140	7.53	30	
4-Chloroaniline	0.836	0.82	mg/Kg dry	2.06	ND	40.6	40-140	0.796	30	
2-Chloronaphthalene	1.63	0.42	mg/Kg dry	2.06	ND	79.0	40-140	13.5	30	
2-Chlorophenol	1.86	0.42	mg/Kg dry	2.06	ND	90.3	30-130	7.18	30	
Chrysene	1.43	0.21	mg/Kg dry	2.06	ND	69.3	40-140	6.06	30	
Dibenz(a,h)anthracene	1.37	0.21	mg/Kg dry	2.06	ND	66.3	40-140	3.61	30	
Dibenzofuran	1.80	0.42	mg/Kg dry	2.06	ND	87.5	40-140	1.73	30	
Di-n-butylphthalate	1.79	0.42	mg/Kg dry	2.06	ND	87.0	40-140	2.19	30	
1,2-Dichlorobenzene	1.70	0.42	mg/Kg dry	2.06	ND	82.4	40-140	2.96	30	
1,3-Dichlorobenzene	1.65	0.42	mg/Kg dry	2.06	ND	79.9	40-140	5.25	30	
1,4-Dichlorobenzene	1.64	0.42	mg/Kg dry	2.06	ND	79.6	40-140	5.96	30	
3,3-Dichlorobenzidine	2.12	0.21	mg/Kg dry	2.06	ND	103	40-140	9.35	30	
2,4-Dichlorophenol	1.85	0.42	mg/Kg dry	2.06	ND	90.0	30-130	0.378	30	
Diethylphthalate	1.67	0.42	mg/Kg dry	2.06	ND	81.3	40-140	2.24	30	
2,4-Dimethylphenol	1.72	0.42	mg/Kg dry	2.06	ND	83.3	30-130	1.10	30	
Dimethylphthalate	1.75	0.82	mg/Kg dry	2.06	ND	85.1	40-140	6.63	30	
2,4-Dinitrophenol	1.41	0.82	mg/Kg dry	2.06	ND	68.6	30-130	13.1	30	
2,4-Dinitrotoluene	1.98	0.42	mg/Kg dry	2.06	ND	95.9	40-140	2.67	30	
2,6-Dinitrotoluene	2.01	0.42	mg/Kg dry	2.06	ND	97.4	40-140	0.474	30	
Di-n-octylphthalate	1.42	0.82	mg/Kg dry	2.06	ND	68.9	40-140	12.1	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.89	0.42	mg/Kg dry	2.06	ND	92.0	40-140	0.548	30	
Fluoranthene	1.13	0.21	mg/Kg dry	2.06	ND	54.6	40-140	12.3	30	
Fluorene	1.39	0.21	mg/Kg dry	2.06	ND	67.6	40-140	1.28	30	
Hexachlorobenzene	1.87	0.42	mg/Kg dry	2.06	ND	90.8	40-140	1.10	30	
Hexachlorobutadiene	1.79	0.42	mg/Kg dry	2.06	ND	86.7	40-140	5.80	30	
Hexachloroethane	1.72	0.42	mg/Kg dry	2.06	ND	83.7	40-140	5.33	30	
Indeno(1,2,3-cd)pyrene	1.38	0.21	mg/Kg dry	2.06	ND	67.2	40-140	2.28	30	
Isophorone	1.90	0.42	mg/Kg dry	2.06	ND	92.4	40-140	3.88	30	
2-Methylnaphthalene	1.66	0.21	mg/Kg dry	2.06	ND	80.7	40-140	0.653	30	
2-Methylphenol	1.86	0.42	mg/Kg dry	2.06	ND	90.2	30-130	7.14	30	
3/4-Methylphenol	1.66	0.42	mg/Kg dry	2.06	ND	80.8	30-130	2.53	30	
Naphthalene	1.39	0.21	mg/Kg dry	2.06	ND	67.3	40-140	6.36	30	
Nitrobenzene	1.82	0.42	mg/Kg dry	2.06	ND	88.6	40-140	9.30	30	
2-Nitrophenol	1.99	0.42	mg/Kg dry	2.06	ND	96.4	30-130	7.77	30	
4-Nitrophenol	1.91	0.82	mg/Kg dry	2.06	ND	92.5	30-130	0.402	30	
Pentachlorophenol	1.28	0.42	mg/Kg dry	2.06	ND	62.1	30-130	0.524	30	
Phenanthrene	1.39	0.21	mg/Kg dry	2.06	ND	67.4	40-140	6.60	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015082 - SW-846 3546

Matrix Spike Dup (B015082-MSD1)		Source: 10F0414-06			Prepared: 06/18/10 Analyzed: 06/21/10					
Phenol	1.90	0.42	mg/Kg dry	2.06	ND	92.3	30-130	2.99	30	
Pyrene	1.29	0.21	mg/Kg dry	2.06	ND	62.9	40-140	4.69	30	
1,2,4-Trichlorobenzene	1.78	0.42	mg/Kg dry	2.06	ND	86.6	40-140	6.99	30	
2,4,5-Trichlorophenol	1.84	0.42	mg/Kg dry	2.06	ND	89.5	30-130	0.734	30	
2,4,6-Trichlorophenol	1.98	0.42	mg/Kg dry	2.06	ND	96.1	30-130	7.42	30	
Surrogate: 2-Fluorophenol	6.81		mg/Kg dry	8.24		82.7	30-130			
Surrogate: Phenol-d6	6.98		mg/Kg dry	8.24		84.8	30-130			
Surrogate: Nitrobenzene-d5	3.63		mg/Kg dry	4.12		88.1	30-130			
Surrogate: 2-Fluorobiphenyl	3.58		mg/Kg dry	4.12		86.9	30-130			
Surrogate: 2,4,6-Tribromophenol	8.57		mg/Kg dry	8.24		104	30-130			
Surrogate: Terphenyl-d14	3.45		mg/Kg dry	4.12		83.8	30-130			

Batch B015083 - SW-846 3546

Blank (B015083-BLK1)		Prepared: 06/18/10 Analyzed: 06/20/10								
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							

V-19

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015083 - SW-846 3546
Blank (B015083-BLK1)

Prepared: 06/18/10 Analyzed: 06/20/10

Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	7.11		mg/Kg wet	6.67		107	30-130			
Surrogate: Phenol-d6	6.44		mg/Kg wet	6.67		96.6	30-130			
Surrogate: Nitrobenzene-d5	3.03		mg/Kg wet	3.33		90.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.95		mg/Kg wet	3.33		88.5	30-130			
Surrogate: 2,4,6-Tribromophenol	5.54		mg/Kg wet	6.67		83.2	30-130			
Surrogate: Terphenyl-d14	2.59		mg/Kg wet	3.33		77.8	30-130			

LCS (B015083-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140			
Acenaphthylene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Acetophenone	0.584	0.34	mg/Kg wet	0.833		70.1	40-140			
Aniline	0.607	0.34	mg/Kg wet	1.67		36.4	10-140			†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140			
Benzo(a)anthracene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Benzo(b)fluoranthene	0.998	0.17	mg/Kg wet	1.67		59.9	40-140			
Benzo(g,h,i)perylene	1.28	0.17	mg/Kg wet	1.67		76.8	40-140			V-06
Benzo(k)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.3	40-140			
Bis(2-chloroethoxy)methane	1.34	0.34	mg/Kg wet	1.67		80.4	40-140			
Bis(2-chloroethyl)ether	1.45	0.34	mg/Kg wet	1.67		87.0	40-140			V-06
Bis(2-chloroisopropyl)ether	1.28	0.34	mg/Kg wet	1.67		77.0	40-140			
Bis(2-Ethylhexyl)phthalate	1.59	0.34	mg/Kg wet	1.67		95.4	40-140			
4-Bromophenylphenylether	1.35	0.34	mg/Kg wet	1.67		81.0	40-140			
Butylbenzylphthalate	1.61	0.66	mg/Kg wet	1.67		96.8	40-140			
4-Chloroaniline	0.733	0.66	mg/Kg wet	1.67		44.0	10-140			†
2-Chloronaphthalene	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
2-Chlorophenol	1.23	0.34	mg/Kg wet	1.67		74.1	30-130			
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140			
Dibenz(a,h)anthracene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			V-06
Dibenzofuran	1.39	0.34	mg/Kg wet	1.67		83.6	40-140			
Di-n-butylphthalate	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
1,2-Dichlorobenzene	1.23	0.34	mg/Kg wet	1.67		73.6	40-140			
1,3-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.0	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015083 - SW-846 3546
LCS (B015083-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140			
3,3-Dichlorobenzidine	0.932	0.17	mg/Kg wet	1.67		55.9	20-140			†
2,4-Dichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.3	30-130			
Diethylphthalate	1.32	0.34	mg/Kg wet	1.67		79.5	40-140			
2,4-Dimethylphenol	1.32	0.34	mg/Kg wet	1.67		78.9	30-130			
Dimethylphthalate	1.35	0.66	mg/Kg wet	1.67		80.9	40-140			
2,4-Dinitrophenol	0.601	0.66	mg/Kg wet	1.67		36.1	30-130			V-19
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.3	40-140			
2,6-Dinitrotoluene	1.40	0.34	mg/Kg wet	1.67		84.1	40-140			
Di-n-octylphthalate	1.41	0.66	mg/Kg wet	1.67		84.6	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.52	0.34	mg/Kg wet	1.67		91.4	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140			
Hexachlorobenzene	1.35	0.34	mg/Kg wet	1.67		81.2	40-140			
Hexachlorobutadiene	1.31	0.34	mg/Kg wet	1.67		78.4	40-140			
Hexachloroethane	1.32	0.34	mg/Kg wet	1.67		79.5	40-140			
Indeno(1,2,3-cd)pyrene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140			V-06
Isophorone	1.30	0.34	mg/Kg wet	1.67		78.2	40-140			
2-Methylnaphthalene	1.28	0.17	mg/Kg wet	1.67		77.1	40-140			
2-Methylphenol	1.15	0.34	mg/Kg wet	1.67		69.0	30-130			
3/4-Methylphenol	1.27	0.34	mg/Kg wet	1.67		76.1	30-130			
Naphthalene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Nitrobenzene	1.32	0.34	mg/Kg wet	1.67		79.0	40-140			
2-Nitrophenol	1.32	0.34	mg/Kg wet	1.67		79.4	30-130			
4-Nitrophenol	1.26	0.66	mg/Kg wet	1.67		75.6	30-130			
Pentachlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3	30-130			
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Phenol	1.23	0.34	mg/Kg wet	1.67		73.8	30-130			
Pyrene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140			
1,2,4-Trichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.1	40-140			
2,4,5-Trichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.9	30-130			
2,4,6-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		77.8	30-130			
Surrogate: 2-Fluorophenol	5.48		mg/Kg wet	6.67		82.2	30-130			
Surrogate: Phenol-d6	5.28		mg/Kg wet	6.67		79.2	30-130			
Surrogate: Nitrobenzene-d5	2.68		mg/Kg wet	3.33		80.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.72		mg/Kg wet	3.33		81.7	30-130			
Surrogate: 2,4,6-Tribromophenol	5.75		mg/Kg wet	6.67		86.2	30-130			
Surrogate: Terphenyl-d14	3.43		mg/Kg wet	3.33		103	30-130			

LCS Dup (B015083-BS1)

Prepared: 06/18/10 Analyzed: 06/20/10

Acenaphthene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	0.733	30	
Acenaphthylene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	1.66	30	
Acetophenone	0.591	0.34	mg/Kg wet	0.833		71.0	40-140	1.25	30	
Aniline	0.834	0.34	mg/Kg wet	1.67		50.1	10-140	31.5	50	† ‡
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	1.32	30	
Benzo(a)anthracene	1.11	0.17	mg/Kg wet	1.67		66.3	40-140	0.301	30	
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	0.581	30	
Benzo(b)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140	4.28	30	
Benzo(g,h,i)perylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	19.9	30	V-06
Benzo(k)fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.1	40-140	1.26	30	
Bis(2-chloroethoxy)methane	1.34	0.34	mg/Kg wet	1.67		80.5	40-140	0.124	30	
Bis(2-chloroethyl)ether	1.55	0.34	mg/Kg wet	1.67		93.0	40-140	6.62	30	V-06

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015083 - SW-846 3546										
LCS Dup (B015083-BSD1)					Prepared: 06/18/10 Analyzed: 06/20/10					
Bis(2-chloroisopropyl)ether	1.38	0.34	mg/Kg wet	1.67		83.0	40-140	7.43	30	
Bis(2-Ethylhexyl)phthalate	1.58	0.34	mg/Kg wet	1.67		94.7	40-140	0.695	30	
4-Bromophenylphenylether	1.24	0.34	mg/Kg wet	1.67		74.2	40-140	8.76	30	
Butylbenzylphthalate	1.59	0.66	mg/Kg wet	1.67		95.4	40-140	1.46	30	
4-Chloroaniline	0.574	0.66	mg/Kg wet	1.67		34.4	10-140	24.3	30	†
2-Chloronaphthalene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140	2.65	30	
2-Chlorophenol	1.45	0.34	mg/Kg wet	1.67		86.8	30-130	15.8	30	
Chrysene	1.07	0.17	mg/Kg wet	1.67		63.9	40-140	0.0938	30	
Dibenz(a,h)anthracene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	14.2	30	V-06
Dibenzofuran	1.38	0.34	mg/Kg wet	1.67		82.6	40-140	1.20	30	
Di-n-butylphthalate	1.38	0.34	mg/Kg wet	1.67		82.6	40-140	8.77	30	
1,2-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.3	40-140	3.52	30	
1,3-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.5	40-140	0.630	30	
1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140	0.277	30	
3,3-Dichlorobenzidine	0.983	0.17	mg/Kg wet	1.67		59.0	20-140	5.29	50	† ‡
2,4-Dichlorophenol	1.22	0.34	mg/Kg wet	1.67		73.5	30-130	3.74	30	
Diethylphthalate	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	1.13	30	
2,4-Dimethylphenol	1.29	0.34	mg/Kg wet	1.67		77.5	30-130	1.76	30	
Dimethylphthalate	1.31	0.66	mg/Kg wet	1.67		78.5	40-140	3.01	30	
2,4-Dinitrophenol	0.614	0.66	mg/Kg wet	1.67		36.8	30-130	2.14	30	V-19
2,4-Dinitrotoluene	1.42	0.34	mg/Kg wet	1.67		85.0	40-140	6.99	30	
2,6-Dinitrotoluene	1.43	0.34	mg/Kg wet	1.67		85.7	40-140	1.89	30	
Di-n-octylphthalate	1.47	0.66	mg/Kg wet	1.67		88.4	40-140	4.46	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.36	0.34	mg/Kg wet	1.67		81.5	40-140	11.4	30	
Fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.3	40-140	11.4	30	
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140	4.47	30	
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.5	40-140	3.41	30	
Hexachlorobutadiene	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	0.611	30	
Hexachloroethane	1.31	0.34	mg/Kg wet	1.67		78.5	40-140	1.24	30	
Indeno(1,2,3-cd)pyrene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140	15.1	30	V-06
Isophorone	1.36	0.34	mg/Kg wet	1.67		81.8	40-140	4.48	30	
2-Methylnaphthalene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	9.23	30	
2-Methylphenol	1.25	0.34	mg/Kg wet	1.67		75.1	30-130	8.58	30	
3/4-Methylphenol	1.24	0.34	mg/Kg wet	1.67		74.7	30-130	1.86	30	
Naphthalene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140	1.53	30	
Nitrobenzene	1.36	0.34	mg/Kg wet	1.67		81.8	40-140	3.56	30	
2-Nitrophenol	1.28	0.34	mg/Kg wet	1.67		77.0	30-130	2.99	30	
4-Nitrophenol	1.47	0.66	mg/Kg wet	1.67		88.0	30-130	15.2	50	‡
Pentachlorophenol	1.10	0.34	mg/Kg wet	1.67		65.9	30-130	0.636	30	
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	0.804	30	
Phenol	1.43	0.34	mg/Kg wet	1.67		85.6	30-130	14.9	30	
Pyrene	1.37	0.17	mg/Kg wet	1.67		82.2	40-140	7.60	30	
1,2,4-Trichlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.5	40-140	0.765	30	
2,4,5-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.6	30-130	17.1	30	
2,4,6-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.2	30-130	3.11	30	
Surrogate: 2-Fluorophenol	6.38		mg/Kg wet	6.67		95.7	30-130			
Surrogate: Phenol-d6	5.91		mg/Kg wet	6.67		88.6	30-130			
Surrogate: Nitrobenzene-d5	2.80		mg/Kg wet	3.33		83.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.76		mg/Kg wet	3.33		82.8	30-130			
Surrogate: 2,4,6-Tribromophenol	6.27		mg/Kg wet	6.67		94.0	30-130			
Surrogate: Terphenyl-d14	3.54		mg/Kg wet	3.33		106	30-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015083 - SW-846 3546										
Matrix Spike (B015083-MS1)	Source: 10F0414-13			Prepared: 06/18/10 Analyzed: 06/20/10						
Acenaphthene	1.65	0.22	mg/Kg dry	2.11	0.212	68.0	40-140			R-06
Acenaphthylene	1.17	0.22	mg/Kg dry	2.11	0.151	48.4	40-140			
Acetophenone	0.635	0.43	mg/Kg dry	1.05	ND	60.2	40-140			
Aniline	ND	0.43	mg/Kg dry	2.11	ND	*	40-140			MS-09
Anthracene	2.14	0.22	mg/Kg dry	2.11	0.637	71.1	40-140			R-06
Benzo(a)anthracene	4.19	0.22	mg/Kg dry	2.11	2.26	91.8	40-140			R-06
Benzo(a)pyrene	3.88	0.22	mg/Kg dry	2.11	2.03	87.8	40-140			R-06
Benzo(b)fluoranthene	5.25	0.22	mg/Kg dry	2.11	3.00	107	40-140			R-06
Benzo(g,h,i)perylene	1.78	0.22	mg/Kg dry	2.11	1.11	31.9	* 40-140			MS-09, V-06
Benzo(k)fluoranthene	2.92	0.22	mg/Kg dry	2.11	1.04	89.0	40-140			R-06
Bis(2-chloroethoxy)methane	1.50	0.43	mg/Kg dry	2.11	ND	71.2	40-140			
Bis(2-chloroethyl)ether	1.61	0.43	mg/Kg dry	2.11	ND	76.5	40-140			V-06
Bis(2-chloroisopropyl)ether	1.37	0.43	mg/Kg dry	2.11	ND	65.0	40-140			
Bis(2-Ethylhexyl)phthalate	4.54	0.43	mg/Kg dry	2.11	3.52	48.4	40-140			
4-Bromophenylphenylether	1.55	0.43	mg/Kg dry	2.11	ND	73.4	40-140			
Butylbenzylphthalate	1.22	0.83	mg/Kg dry	2.11	18.6	-824	* 40-140			MS-09
4-Chloroaniline	0.149	0.83	mg/Kg dry	2.11	ND	7.06	* 40-140			MS-09
2-Chloronaphthalene	1.28	0.43	mg/Kg dry	2.11	ND	60.6	40-140			
2-Chlorophenol	1.29	0.43	mg/Kg dry	2.11	ND	61.4	30-130			
Chrysene	4.40	0.22	mg/Kg dry	2.11	2.34	97.8	40-140			R-06
Dibenz(a,h)anthracene	1.08	0.22	mg/Kg dry	2.11	0.331	35.4	* 40-140			MS-09, V-06
Dibenzofuran	1.91	0.43	mg/Kg dry	2.11	0.206	80.8	40-140			
Di-n-butylphthalate	1.83	0.43	mg/Kg dry	2.11	0.610	58.0	40-140			
1,2-Dichlorobenzene	1.28	0.43	mg/Kg dry	2.11	ND	60.7	40-140			
1,3-Dichlorobenzene	1.36	0.43	mg/Kg dry	2.11	ND	64.6	40-140			
1,4-Dichlorobenzene	1.39	0.43	mg/Kg dry	2.11	ND	65.7	40-140			
3,3-Dichlorobenzidine	0.0932	0.22	mg/Kg dry	2.11	ND	4.42	* 40-140			MS-09
2,4-Dichlorophenol	1.19	0.43	mg/Kg dry	2.11	ND	56.4	30-130			
Diethylphthalate	1.35	0.43	mg/Kg dry	2.11	ND	63.9	40-140			
2,4-Dimethylphenol	0.780	0.43	mg/Kg dry	2.11	ND	37.0	30-130			
Dimethylphthalate	1.40	0.83	mg/Kg dry	2.11	ND	66.5	40-140			
2,4-Dinitrophenol	1.13	0.83	mg/Kg dry	2.11	ND	53.5	30-130			V-19
2,4-Dinitrotoluene	1.24	0.43	mg/Kg dry	2.11	ND	59.0	40-140			
2,6-Dinitrotoluene	1.42	0.43	mg/Kg dry	2.11	ND	67.2	40-140			
Di-n-octylphthalate	1.77	0.83	mg/Kg dry	2.11	ND	83.8	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.97	0.43	mg/Kg dry	2.11	ND	93.3	40-140			R-06
Fluoranthene	6.86	0.22	mg/Kg dry	2.11	5.40	69.2	40-140			
Fluorene	1.54	0.22	mg/Kg dry	2.11	0.200	63.4	40-140			
Hexachlorobenzene	1.55	0.43	mg/Kg dry	2.11	ND	73.4	40-140			
Hexachlorobutadiene	1.37	0.43	mg/Kg dry	2.11	ND	65.2	40-140			
Hexachloroethane	1.34	0.43	mg/Kg dry	2.11	ND	63.4	40-140			
Indeno(1,2,3-cd)pyrene	2.12	0.22	mg/Kg dry	2.11	1.19	44.3	40-140			V-06
Isophorone	1.56	0.43	mg/Kg dry	2.11	ND	74.0	40-140			
2-Methylnaphthalene	1.48	0.22	mg/Kg dry	2.11	ND	70.3	40-140			
2-Methylphenol	1.07	0.43	mg/Kg dry	2.11	ND	50.6	30-130			
3/4-Methylphenol	1.05	0.43	mg/Kg dry	2.11	ND	49.8	30-130			
Naphthalene	1.53	0.22	mg/Kg dry	2.11	0.130	66.3	40-140			
Nitrobenzene	1.44	0.43	mg/Kg dry	2.11	ND	68.1	40-140			
2-Nitrophenol	1.34	0.43	mg/Kg dry	2.11	ND	63.6	30-130			
4-Nitrophenol	1.42	0.83	mg/Kg dry	2.11	ND	67.4	30-130			
Pentachlorophenol	1.48	0.43	mg/Kg dry	2.11	ND	70.1	30-130			
Phenanthrene	6.70	0.22	mg/Kg dry	2.11	3.27	163	* 40-140			MS-13, R-06

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015083 - SW-846 3546										
Matrix Spike (B015083-MS1)	Source: 10F0414-13			Prepared: 06/18/10 Analyzed: 06/20/10						
Phenol	1.33	0.43	mg/Kg dry	2.11	ND	63.2	30-130			
Pyrene	4.54	0.22	mg/Kg dry	2.11	3.56	46.2	40-140			
1,2,4-Trichlorobenzene	1.34	0.43	mg/Kg dry	2.11	ND	63.4	40-140			
2,4,5-Trichlorophenol	1.37	0.43	mg/Kg dry	2.11	ND	65.0	30-130			
2,4,6-Trichlorophenol	1.37	0.43	mg/Kg dry	2.11	ND	64.9	30-130			
Surrogate: 2-Fluorophenol	5.81		mg/Kg dry	8.43		68.9	30-130			
Surrogate: Phenol-d6	5.21		mg/Kg dry	8.43		61.8	30-130			
Surrogate: Nitrobenzene-d5	2.83		mg/Kg dry	4.22		67.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.95		mg/Kg dry	4.22		70.0	30-130			
Surrogate: 2,4,6-Tribromophenol	5.28		mg/Kg dry	8.43		62.7	30-130			
Surrogate: Terphenyl-d14	1.85		mg/Kg dry	4.22		44.0	30-130			
Matrix Spike Dup (B015083-MSD1)	Source: 10F0414-13			Prepared: 06/18/10 Analyzed: 06/20/10						
Acenaphthene	1.16	0.21	mg/Kg dry	2.10	0.212	45.2	40-140	34.4	*	30 R-06
Acenaphthylene	0.966	0.21	mg/Kg dry	2.10	0.151	38.8	*	40-140	19.3	30 MS-13
Acetophenone	0.526	0.43	mg/Kg dry	1.05	ND	50.1	40-140	18.7		30
Aniline	ND	0.43	mg/Kg dry	2.10	ND	*	40-140			30 MS-09
Anthracene	1.45	0.21	mg/Kg dry	2.10	0.637	38.7	*	40-140	38.2	* 30 MS-13, R-06
Benzo(a)anthracene	2.92	0.21	mg/Kg dry	2.10	2.26	31.5	*	40-140	35.8	* 30 MS-13, R-06
Benzo(a)pyrene	2.71	0.21	mg/Kg dry	2.10	2.03	32.5	*	40-140	35.4	* 30 MS-13, R-06
Benzo(b)fluoranthene	3.74	0.21	mg/Kg dry	2.10	3.00	35.4	*	40-140	33.5	* 30 MS-13, R-06
Benzo(g,h,i)perylene	1.42	0.21	mg/Kg dry	2.10	1.11	14.6	*	40-140	22.8	30 MS-09, V-06
Benzo(k)fluoranthene	2.07	0.21	mg/Kg dry	2.10	1.04	48.8	40-140	34.1	*	30 R-06
Bis(2-chloroethoxy)methane	1.16	0.43	mg/Kg dry	2.10	ND	55.1	40-140	25.8		30
Bis(2-chloroethyl)ether	1.30	0.43	mg/Kg dry	2.10	ND	61.8	40-140	21.5		30 V-06
Bis(2-chloroisopropyl)ether	1.14	0.43	mg/Kg dry	2.10	ND	54.4	40-140	18.0		30
Bis(2-Ethylhexyl)phthalate	3.46	0.43	mg/Kg dry	2.10	3.52	-3.00	*	40-140	27.1	30 MS-13
4-Bromophenylphenylether	1.19	0.43	mg/Kg dry	2.10	ND	56.8	40-140	25.8		30
Butylbenzylphthalate	1.05	0.83	mg/Kg dry	2.10	18.6	-835	*	40-140	15.4	30 MS-09
4-Chloroaniline	0.126	0.83	mg/Kg dry	2.10	ND	6.00	*	40-140	16.6	30 MS-09
2-Chloronaphthalene	0.980	0.43	mg/Kg dry	2.10	ND	46.7	40-140	26.4		30
2-Chlorophenol	1.12	0.43	mg/Kg dry	2.10	ND	53.2	30-130	14.6		30
Chrysene	3.10	0.21	mg/Kg dry	2.10	2.34	36.1	*	40-140	34.7	* 30 MS-13, R-06
Dibenz(a,h)anthracene	0.913	0.21	mg/Kg dry	2.10	0.331	27.7	*	40-140	16.5	30 MS-09, V-06
Dibenzofuran	1.49	0.43	mg/Kg dry	2.10	0.206	61.1	40-140	24.7		30
Di-n-butylphthalate	1.49	0.43	mg/Kg dry	2.10	0.610	41.9	40-140	20.6		30
1,2-Dichlorobenzene	1.05	0.43	mg/Kg dry	2.10	ND	49.9	40-140	19.9		30
1,3-Dichlorobenzene	1.05	0.43	mg/Kg dry	2.10	ND	49.8	40-140	26.2		30
1,4-Dichlorobenzene	1.07	0.43	mg/Kg dry	2.10	ND	50.7	40-140	26.1		30
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	2.10	ND	*	40-140			30 MS-09
2,4-Dichlorophenol	0.999	0.43	mg/Kg dry	2.10	ND	47.5	30-130	17.3		30
Diethylphthalate	1.11	0.43	mg/Kg dry	2.10	ND	53.0	40-140	19.0		30
2,4-Dimethylphenol	0.577	0.43	mg/Kg dry	2.10	ND	27.5	*	30-130	29.9	30 MS-13
Dimethylphthalate	1.12	0.83	mg/Kg dry	2.10	ND	53.1	40-140	22.7		30
2,4-Dinitrophenol	1.01	0.83	mg/Kg dry	2.10	ND	48.0	30-130	11.2		30 V-19
2,4-Dinitrotoluene	1.13	0.43	mg/Kg dry	2.10	ND	53.8	40-140	9.41		30
2,6-Dinitrotoluene	1.16	0.43	mg/Kg dry	2.10	ND	55.2	40-140	19.8		30
Di-n-octylphthalate	1.42	0.83	mg/Kg dry	2.10	ND	67.6	40-140	21.7		30
1,2-Diphenylhydrazine (as Azobenzene)	1.41	0.43	mg/Kg dry	2.10	ND	67.3	40-140	32.7	*	30 R-06
Fluoranthene	4.40	0.21	mg/Kg dry	2.10	5.40	-47.5	*	40-140	43.7	* 30 MS-13
Fluorene	1.16	0.21	mg/Kg dry	2.10	0.200	45.7	40-140	27.9		30
Hexachlorobenzene	1.20	0.43	mg/Kg dry	2.10	ND	57.1	40-140	25.2		30

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015083 - SW-846 3546										
Matrix Spike Dup (B015083-MSD1)	Source: 10F0414-13			Prepared: 06/18/10 Analyzed: 06/20/10						
Hexachlorobutadiene	1.12	0.43	mg/Kg dry	2.10	ND	53.4	40-140	20.3	30	
Hexachloroethane	1.11	0.43	mg/Kg dry	2.10	ND	52.8	40-140	18.6	30	
Indeno(1,2,3-cd)pyrene	1.63	0.21	mg/Kg dry	2.10	1.19	20.9	* 40-140	26.4	30	MS-13, V-06
Isophorone	1.27	0.43	mg/Kg dry	2.10	ND	60.5	40-140	20.4	30	
2-Methylnaphthalene	1.19	0.21	mg/Kg dry	2.10	ND	56.7	40-140	21.7	30	
2-Methylphenol	0.883	0.43	mg/Kg dry	2.10	ND	42.0	30-130	18.7	30	
3/4-Methylphenol	0.859	0.43	mg/Kg dry	2.10	ND	40.9	30-130	20.0	30	
Naphthalene	1.26	0.21	mg/Kg dry	2.10	0.130	53.9	40-140	18.9	30	
Nitrobenzene	1.16	0.43	mg/Kg dry	2.10	ND	55.2	40-140	21.2	30	
2-Nitrophenol	1.13	0.43	mg/Kg dry	2.10	ND	53.8	30-130	17.0	30	
4-Nitrophenol	1.29	0.83	mg/Kg dry	2.10	ND	61.2	30-130	9.94	30	
Pentachlorophenol	1.30	0.43	mg/Kg dry	2.10	ND	61.9	30-130	12.7	30	
Phenanthrene	4.42	0.21	mg/Kg dry	2.10	3.27	54.7	40-140	41.2	* 30	MS-13, R-06
Phenol	1.13	0.43	mg/Kg dry	2.10	ND	53.7	30-130	16.6	30	
Pyrene	3.72	0.21	mg/Kg dry	2.10	3.56	7.62	* 40-140	19.7	30	MS-13
1,2,4-Trichlorobenzene	1.04	0.43	mg/Kg dry	2.10	ND	49.4	40-140	25.1	30	
2,4,5-Trichlorophenol	1.08	0.43	mg/Kg dry	2.10	ND	51.3	30-130	24.0	30	
2,4,6-Trichlorophenol	1.13	0.43	mg/Kg dry	2.10	ND	53.6	30-130	19.3	30	
Surrogate: 2-Fluorophenol	4.75		mg/Kg dry	8.40		56.5	30-130			
Surrogate: Phenol-d6	4.44		mg/Kg dry	8.40		52.8	30-130			
Surrogate: Nitrobenzene-d5	2.33		mg/Kg dry	4.20		55.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.31		mg/Kg dry	4.20		54.9	30-130			
Surrogate: 2,4,6-Tribromophenol	4.91		mg/Kg dry	8.40		58.5	30-130			
Surrogate: Terphenyl-d14	1.66		mg/Kg dry	4.20		39.5	30-130			

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015044 - SW-846 3546										
Blank (B015044-BLK1)				Prepared: 06/17/10 Analyzed: 06/18/10						
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0030	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0030	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0080	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0080	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0080	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0080	mg/Kg wet							
Dieldrin	ND	0.0080	mg/Kg wet							
Dieldrin [2C]	ND	0.0080	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0050	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0050	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.182		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.204		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.208		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.214		mg/Kg wet	0.200		107	30-150			

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015044 - SW-846 3546
LCS (B015044-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

Aldrin	0.020	0.0050	mg/Kg wet	0.0200		98.8	40-140			
Aldrin [2C]	0.021	0.0050	mg/Kg wet	0.0200		105	40-140			
alpha-BHC	0.021	0.0050	mg/Kg wet	0.0200		103	40-140			
alpha-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		104	40-140			
beta-BHC	0.020	0.0050	mg/Kg wet	0.0200		98.0	40-140			
beta-BHC [2C]	0.020	0.0050	mg/Kg wet	0.0200		99.5	40-140			
delta-BHC	0.017	0.0050	mg/Kg wet	0.0200		85.0	40-140			
delta-BHC [2C]	0.017	0.0050	mg/Kg wet	0.0200		86.2	40-140			
gamma-BHC (Lindane)	0.021	0.0030	mg/Kg wet	0.0200		104	40-140			
gamma-BHC (Lindane) [2C]	0.021	0.0030	mg/Kg wet	0.0200		104	40-140			
4,4'-DDD	0.021	0.0080	mg/Kg wet	0.0200		107	40-140			
4,4'-DDD [2C]	0.019	0.0080	mg/Kg wet	0.0200		95.0	40-140			
4,4'-DDE	0.021	0.0040	mg/Kg wet	0.0200		107	40-140			
4,4'-DDE [2C]	0.020	0.0040	mg/Kg wet	0.0200		97.7	40-140			
4,4'-DDT	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
4,4'-DDT [2C]	0.020	0.0080	mg/Kg wet	0.0200		99.2	40-140			
Dieldrin	0.022	0.0080	mg/Kg wet	0.0200		109	40-140			
Dieldrin [2C]	0.020	0.0080	mg/Kg wet	0.0200		97.9	40-140			
Endosulfan I	0.020	0.0050	mg/Kg wet	0.0200		101	40-140			
Endosulfan I [2C]	0.020	0.0050	mg/Kg wet	0.0200		97.9	40-140			
Endosulfan II	0.022	0.0080	mg/Kg wet	0.0200		108	40-140			
Endosulfan II [2C]	0.019	0.0080	mg/Kg wet	0.0200		96.0	40-140			
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		123	40-140			
Endosulfan Sulfate [2C]	0.019	0.0080	mg/Kg wet	0.0200		93.0	40-140			
Endrin	0.023	0.0080	mg/Kg wet	0.0200		117	40-140			
Endrin [2C]	0.021	0.0080	mg/Kg wet	0.0200		105	40-140			
Endrin Ketone	0.023	0.0080	mg/Kg wet	0.0200		113	40-140			
Endrin Ketone [2C]	0.019	0.0080	mg/Kg wet	0.0200		95.2	40-140			
Heptachlor	0.020	0.0050	mg/Kg wet	0.0200		101	40-140			
Heptachlor [2C]	0.021	0.0050	mg/Kg wet	0.0200		106	40-140			
Heptachlor Epoxide	0.021	0.0050	mg/Kg wet	0.0200		105	40-140			
Heptachlor Epoxide [2C]	0.020	0.0050	mg/Kg wet	0.0200		100	40-140			
Hexachlorobenzene	0.020	0.0050	mg/Kg wet	0.0200		99.8	40-140			
Hexachlorobenzene [2C]	0.020	0.0050	mg/Kg wet	0.0200		98.6	40-140			
Methoxychlor	0.027	0.050	mg/Kg wet	0.0200		136	40-140			
Methoxychlor [2C]	0.021	0.050	mg/Kg wet	0.0200		107	40-140			
Surrogate: Decachlorobiphenyl	0.180		mg/Kg wet	0.200		90.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.205		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.212		mg/Kg wet	0.200		106	30-150			

LCS Dup (B015044-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

Aldrin	0.017	0.0050	mg/Kg wet	0.0200		87.4	40-140	12.3	30	
Aldrin [2C]	0.019	0.0050	mg/Kg wet	0.0200		93.3	40-140	11.4	30	
alpha-BHC	0.018	0.0050	mg/Kg wet	0.0200		91.6	40-140	11.6	30	
alpha-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		93.0	40-140	11.0	30	
beta-BHC	0.018	0.0050	mg/Kg wet	0.0200		88.8	40-140	9.88	30	
beta-BHC [2C]	0.018	0.0050	mg/Kg wet	0.0200		90.7	40-140	9.21	30	
delta-BHC	0.015	0.0050	mg/Kg wet	0.0200		76.8	40-140	10.2	30	
delta-BHC [2C]	0.016	0.0050	mg/Kg wet	0.0200		77.9	40-140	10.1	30	
gamma-BHC (Lindane)	0.018	0.0030	mg/Kg wet	0.0200		92.2	40-140	11.7	30	
gamma-BHC (Lindane) [2C]	0.019	0.0030	mg/Kg wet	0.0200		92.8	40-140	11.3	30	

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015044 - SW-846 3546										
LCS Dup (B015044-BS01)					Prepared: 06/17/10 Analyzed: 06/18/10					
4,4'-DDD	0.019	0.0080	mg/Kg wet	0.0200		95.7	40-140	11.6	30	
4,4'-DDD [2C]	0.017	0.0080	mg/Kg wet	0.0200		85.1	40-140	11.0	30	
4,4'-DDE	0.019	0.0040	mg/Kg wet	0.0200		94.4	40-140	12.4	30	
4,4'-DDE [2C]	0.017	0.0040	mg/Kg wet	0.0200		87.5	40-140	11.0	30	
4,4'-DDT	0.021	0.0080	mg/Kg wet	0.0200		105	40-140	11.7	30	
4,4'-DDT [2C]	0.018	0.0080	mg/Kg wet	0.0200		89.7	40-140	10.1	30	
Dieldrin	0.019	0.0080	mg/Kg wet	0.0200		96.0	40-140	12.5	30	
Dieldrin [2C]	0.018	0.0080	mg/Kg wet	0.0200		87.9	40-140	10.8	30	
Endosulfan I	0.018	0.0050	mg/Kg wet	0.0200		90.0	40-140	11.9	30	
Endosulfan I [2C]	0.018	0.0050	mg/Kg wet	0.0200		87.9	40-140	10.8	30	
Endosulfan II	0.019	0.0080	mg/Kg wet	0.0200		96.1	40-140	11.8	30	
Endosulfan II [2C]	0.017	0.0080	mg/Kg wet	0.0200		86.9	40-140	9.89	30	
Endosulfan Sulfate	0.022	0.0080	mg/Kg wet	0.0200		109	40-140	11.4	30	
Endosulfan Sulfate [2C]	0.017	0.0080	mg/Kg wet	0.0200		84.1	40-140	10.0	30	
Endrin	0.021	0.0080	mg/Kg wet	0.0200		104	40-140	12.6	30	
Endrin [2C]	0.019	0.0080	mg/Kg wet	0.0200		93.6	40-140	11.0	30	
Endrin Ketone	0.020	0.0080	mg/Kg wet	0.0200		101	40-140	12.1	30	
Endrin Ketone [2C]	0.017	0.0080	mg/Kg wet	0.0200		85.8	40-140	10.4	30	
Heptachlor	0.018	0.0050	mg/Kg wet	0.0200		89.9	40-140	12.0	30	
Heptachlor [2C]	0.019	0.0050	mg/Kg wet	0.0200		94.2	40-140	11.4	30	
Heptachlor Epoxide	0.019	0.0050	mg/Kg wet	0.0200		92.9	40-140	11.9	30	
Heptachlor Epoxide [2C]	0.018	0.0050	mg/Kg wet	0.0200		89.8	40-140	10.8	30	
Hexachlorobenzene	0.018	0.0050	mg/Kg wet	0.0200		89.9	40-140	10.4	30	
Hexachlorobenzene [2C]	0.018	0.0050	mg/Kg wet	0.0200		88.4	40-140	11.0	30	
Methoxychlor	0.025	0.050	mg/Kg wet	0.0200		124	40-140	9.50	30	
Methoxychlor [2C]	0.019	0.050	mg/Kg wet	0.0200		97.4	40-140	9.80	30	
Surrogate: Decachlorobiphenyl	0.174		mg/Kg wet	0.200		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		98.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.204		mg/Kg wet	0.200		102	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015045 - SW-846 3546
Blank (B015045-BLK1)

Prepared: 06/17/10 Analyzed: 06/18/10

Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.193		mg/Kg wet	0.200		96.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.198		mg/Kg wet	0.200		98.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.186		mg/Kg wet	0.200		93.2	30-150			

LCS (B015045-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		97.1	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		91.9	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		98.7	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.0	40-140			
Surrogate: Decachlorobiphenyl	0.195		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.189		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.196		mg/Kg wet	0.200		97.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.187		mg/Kg wet	0.200		93.4	30-150			

LCS Dup (B015045-BSD1)

Prepared: 06/17/10 Analyzed: 06/18/10

Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		93.7	40-140	3.61	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.5	40-140	7.95	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		98.1	40-140	0.635	30	
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		96.9	40-140	1.10	30	
Surrogate: Decachlorobiphenyl	0.191		mg/Kg wet	0.200		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.184		mg/Kg wet	0.200		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.192		mg/Kg wet	0.200		95.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.182		mg/Kg wet	0.200		90.8	30-150			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015057 - SW-846 3546
Blank (B015057-BLK1)

Prepared: 06/17/10 Analyzed: 06/18/10

C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Acenaphthene	ND	0.10	mg/Kg wet							
Acenaphthylene	ND	0.10	mg/Kg wet							
Anthracene	ND	0.10	mg/Kg wet							
Benzo(a)anthracene	ND	0.10	mg/Kg wet							
Benzo(a)pyrene	ND	0.10	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet							
Chrysene	ND	0.10	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet							
Fluoranthene	ND	0.10	mg/Kg wet							
Fluorene	ND	0.10	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet							
2-Methylnaphthalene	ND	0.10	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
Phenanthrene	ND	0.10	mg/Kg wet							
Pyrene	ND	0.10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	4.21		mg/Kg wet	5.00		84.2	40-140			
Surrogate: o-Terphenyl (OTP)	4.34		mg/Kg wet	5.00		86.7	40-140			
Surrogate: 2-Bromonaphthalene	4.90		mg/Kg wet	5.00		97.9	40-140			
Surrogate: 2-Fluorobiphenyl	4.77		mg/Kg wet	5.00		95.4	40-140			

LCS (B015057-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

C9-C18 Aliphatics	27.6	10	mg/Kg wet	30.0		92.1	40-140			
C19-C36 Aliphatics	42.0	10	mg/Kg wet	40.0		105	40-140			
Unadjusted C11-C22 Aromatics	81.4	10	mg/Kg wet	85.0		95.8	40-140			
Acenaphthene	3.96	0.10	mg/Kg wet	5.00		79.1	40-140			
Acenaphthylene	4.01	0.10	mg/Kg wet	5.00		80.2	40-140			
Anthracene	4.47	0.10	mg/Kg wet	5.00		89.4	40-140			
Benzo(a)anthracene	4.71	0.10	mg/Kg wet	5.00		94.2	40-140			
Benzo(a)pyrene	4.37	0.10	mg/Kg wet	5.00		87.3	40-140			
Benzo(b)fluoranthene	4.59	0.10	mg/Kg wet	5.00		91.7	40-140			
Benzo(g,h,i)perylene	4.38	0.10	mg/Kg wet	5.00		87.6	40-140			
Benzo(k)fluoranthene	4.52	0.10	mg/Kg wet	5.00		90.5	40-140			
Chrysene	4.46	0.10	mg/Kg wet	5.00		89.2	40-140			
Dibenz(a,h)anthracene	4.38	0.10	mg/Kg wet	5.00		87.7	40-140			
Fluoranthene	4.46	0.10	mg/Kg wet	5.00		89.2	40-140			
Fluorene	4.14	0.10	mg/Kg wet	5.00		82.8	40-140			
Indeno(1,2,3-cd)pyrene	4.33	0.10	mg/Kg wet	5.00		86.6	40-140			
2-Methylnaphthalene	3.88	0.10	mg/Kg wet	5.00		77.5	40-140			
Naphthalene	3.61	0.10	mg/Kg wet	5.00		72.3	40-140			
Phenanthrene	4.46	0.10	mg/Kg wet	5.00		89.3	40-140			
Pyrene	4.61	0.10	mg/Kg wet	5.00		92.2	40-140			
n-Nonane	2.19	0.10	mg/Kg wet	5.00		43.9	30-140			
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	4.33		mg/Kg wet	5.00		86.6	40-140			
Surrogate: o-Terphenyl (OTP)	4.41		mg/Kg wet	5.00		88.2	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015057 - SW-846 3546
LCS (B015057-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

Surrogate: 2-Bromonaphthalene	4.92		mg/Kg wet	5.00		98.3	40-140			
Surrogate: 2-Fluorobiphenyl	4.75		mg/Kg wet	5.00		95.1	40-140			

LCS Dup (B015057-BSD1)

Prepared: 06/17/10 Analyzed: 06/18/10

C9-C18 Aliphatics	24.9	10	mg/Kg wet	30.0		82.9	40-140	10.5	25	
C19-C36 Aliphatics	41.1	10	mg/Kg wet	40.0		103	40-140	2.19	25	
Unadjusted C11-C22 Aromatics	74.9	10	mg/Kg wet	85.0		88.1	40-140	8.37	25	
Acenaphthene	3.82	0.10	mg/Kg wet	5.00		76.3	40-140	3.59	25	
Acenaphthylene	3.87	0.10	mg/Kg wet	5.00		77.4	40-140	3.51	25	
Anthracene	4.29	0.10	mg/Kg wet	5.00		85.9	40-140	3.98	25	
Benzo(a)anthracene	4.62	0.10	mg/Kg wet	5.00		92.5	40-140	1.90	25	
Benzo(a)pyrene	4.29	0.10	mg/Kg wet	5.00		85.8	40-140	1.83	25	
Benzo(b)fluoranthene	4.50	0.10	mg/Kg wet	5.00		90.0	40-140	1.94	25	
Benzo(g,h,i)perylene	4.35	0.10	mg/Kg wet	5.00		86.9	40-140	0.747	25	
Benzo(k)fluoranthene	4.44	0.10	mg/Kg wet	5.00		88.8	40-140	1.82	25	
Chrysene	4.38	0.10	mg/Kg wet	5.00		87.7	40-140	1.76	25	
Dibenz(a,h)anthracene	4.32	0.10	mg/Kg wet	5.00		86.3	40-140	1.53	25	
Fluoranthene	4.35	0.10	mg/Kg wet	5.00		87.0	40-140	2.42	25	
Fluorene	4.02	0.10	mg/Kg wet	5.00		80.4	40-140	2.96	25	
Indeno(1,2,3-cd)pyrene	4.26	0.10	mg/Kg wet	5.00		85.3	40-140	1.47	25	
2-Methylnaphthalene	3.75	0.10	mg/Kg wet	5.00		75.0	40-140	3.32	25	
Naphthalene	3.49	0.10	mg/Kg wet	5.00		69.9	40-140	3.39	25	
Phenanthrene	4.27	0.10	mg/Kg wet	5.00		85.5	40-140	4.35	25	
Pyrene	4.52	0.10	mg/Kg wet	5.00		90.3	40-140	2.08	25	
n-Nonane	1.92	0.10	mg/Kg wet	5.00		38.4	30-140	13.4	25	
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	4.27		mg/Kg wet	5.00		85.5	40-140			
Surrogate: o-Terphenyl (OTP)	4.23		mg/Kg wet	5.00		84.7	40-140			
Surrogate: 2-Bromonaphthalene	4.97		mg/Kg wet	5.00		99.4	40-140			
Surrogate: 2-Fluorobiphenyl	4.86		mg/Kg wet	5.00		97.1	40-140			

Matrix Spike (B015057-MS1)
Source: 10F0414-01

Prepared: 06/17/10 Analyzed: 06/18/10

C9-C18 Aliphatics	30.1	21	mg/Kg dry	32.1	8.51	67.2	40-140			
C19-C36 Aliphatics	57.3	21	mg/Kg dry	42.9	24.4	76.8	40-140			
Unadjusted C11-C22 Aromatics	168	21	mg/Kg dry	91.1	211	-47.0 *	40-140			MS-07A
Acenaphthene	4.26	0.21	mg/Kg dry	5.36	0.373	72.5	40-140			
Acenaphthylene	4.55	0.21	mg/Kg dry	5.36	0.354	78.3	40-140			
Anthracene	4.90	0.21	mg/Kg dry	5.36	1.80	57.8	40-140			
Benzo(a)anthracene	7.48	0.21	mg/Kg dry	5.36	7.00	8.92 *	40-140			MS-20
Benzo(a)pyrene	6.83	0.21	mg/Kg dry	5.36	5.55	23.9 *	40-140			MS-20
Benzo(b)fluoranthene	8.02	0.21	mg/Kg dry	5.36	7.76	4.74 *	40-140			MS-20
Benzo(g,h,i)perylene	5.48	0.21	mg/Kg dry	5.36	2.51	55.3	40-140			
Benzo(k)fluoranthene	5.73	0.21	mg/Kg dry	5.36	2.93	52.3	40-140			
Chrysene	7.29	0.21	mg/Kg dry	5.36	7.10	3.57 *	40-140			MS-20
Dibenz(a,h)anthracene	4.58	0.21	mg/Kg dry	5.36	0.956	67.7	40-140			
Fluoranthene	9.60	0.21	mg/Kg dry	5.36	12.7	-58.7 *	40-140			MS-07A
Fluorene	4.48	0.21	mg/Kg dry	5.36	0.526	73.9	40-140			
Indeno(1,2,3-cd)pyrene	5.89	0.21	mg/Kg dry	5.36	3.42	46.1	40-140			
2-Methylnaphthalene	4.20	0.21	mg/Kg dry	5.36	0.00	78.3	40-140			
Naphthalene	3.92	0.21	mg/Kg dry	5.36	0.00	73.1	40-140			
Phenanthrene	6.27	0.21	mg/Kg dry	5.36	7.23	-17.9 *	40-140			MS-07A

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015057 - SW-846 3546										
Matrix Spike (B015057-MS1)		Source: 10F0414-01		Prepared: 06/17/10 Analyzed: 06/18/10						
Pyrene	9.95	0.21	mg/Kg dry	5.36	12.9	-55.6 *	40-140			MS-07A
n-Nonane	2.46	0.21	mg/Kg dry	5.36	0.00	45.9	30-140			
Surrogate: Chlorooctadecane (COD)	4.02		mg/Kg dry	5.36		75.1	40-140			
Surrogate: o-Terphenyl (OTP)	4.29		mg/Kg dry	5.36		80.1	40-140			
Surrogate: 2-Bromonaphthalene	5.44		mg/Kg dry	5.36		101	40-140			
Surrogate: 2-Fluorobiphenyl	5.27		mg/Kg dry	5.36		98.4	40-140			
Matrix Spike Dup (B015057-MSD1)		Source: 10F0414-01		Prepared: 06/17/10 Analyzed: 06/18/10						
C9-C18 Aliphatics	30.4	22	mg/Kg dry	32.3	8.51	67.7	40-140	0.874	50	
C19-C36 Aliphatics	85.1	22	mg/Kg dry	43.1	24.4	141 *	40-140	39.1	50	MS-20
Unadjusted C11-C22 Aromatics	218	22	mg/Kg dry	91.5	211	7.54 *	40-140	25.7	50	MS-07A
Acenaphthene	4.50	0.22	mg/Kg dry	5.38	0.373	76.6	40-140	5.42	50	
Acenaphthylene	4.62	0.22	mg/Kg dry	5.38	0.354	79.2	40-140	1.58	50	
Anthracene	5.59	0.22	mg/Kg dry	5.38	1.80	70.4	40-140	13.2	50	
Benzo(a)anthracene	9.40	0.22	mg/Kg dry	5.38	7.00	44.6	40-140	22.8	50	
Benzo(a)pyrene	8.40	0.22	mg/Kg dry	5.38	5.55	52.9	40-140	20.6	50	
Benzo(b)fluoranthene	10.2	0.22	mg/Kg dry	5.38	7.76	44.4	40-140	23.5	50	
Benzo(g,h,i)perylene	6.76	0.22	mg/Kg dry	5.38	2.51	78.9	40-140	21.0	50	
Benzo(k)fluoranthene	6.77	0.22	mg/Kg dry	5.38	2.93	71.4	40-140	16.7	50	
Chrysene	9.29	0.22	mg/Kg dry	5.38	7.10	40.6	40-140	24.0	50	
Dibenz(a,h)anthracene	5.08	0.22	mg/Kg dry	5.38	0.956	76.7	40-140	10.4	50	
Fluoranthene	13.6	0.22	mg/Kg dry	5.38	12.7	15.1 *	40-140	34.2	50	MS-07A
Fluorene	4.74	0.22	mg/Kg dry	5.38	0.526	78.3	40-140	5.62	50	
Indeno(1,2,3-cd)pyrene	7.04	0.22	mg/Kg dry	5.38	3.42	67.4	40-140	17.9	50	
2-Methylnaphthalene	4.26	0.22	mg/Kg dry	5.38	0.00	79.2	40-140	1.64	50	
Naphthalene	4.04	0.22	mg/Kg dry	5.38	0.00	75.1	40-140	3.15	50	
Phenanthrene	9.06	0.22	mg/Kg dry	5.38	7.23	34.0 *	40-140	36.4	50	MS-07A
Pyrene	13.7	0.22	mg/Kg dry	5.38	12.9	14.3 *	40-140	31.7	50	MS-07A
n-Nonane	2.54	0.22	mg/Kg dry	5.38	0.00	47.2	30-140	3.38	50	
Surrogate: Chlorooctadecane (COD)	3.99		mg/Kg dry	5.38		74.1	40-140			
Surrogate: o-Terphenyl (OTP)	4.58		mg/Kg dry	5.38		85.0	40-140			
Surrogate: 2-Bromonaphthalene	5.26		mg/Kg dry	5.38		97.8	40-140			
Surrogate: 2-Fluorobiphenyl	5.12		mg/Kg dry	5.38		95.1	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015023 - MA VPH
Blank (B015023-BLK1)

Prepared: 06/16/10 Analyzed: 06/17/10

Unadjusted C5-C8 Aliphatics	ND	11	mg/Kg wet							
C5-C8 Aliphatics	ND	11	mg/Kg wet							
Unadjusted C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C10 Aromatics	ND	11	mg/Kg wet							
Benzene	ND	0.053	mg/Kg wet							
Butylcyclohexane	ND	0.053	mg/Kg wet							
Decane	ND	0.053	mg/Kg wet							
Ethylbenzene	ND	0.053	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.053	mg/Kg wet							
2-Methylpentane	ND	0.053	mg/Kg wet							
Naphthalene	ND	0.53	mg/Kg wet							
Nonane	ND	0.053	mg/Kg wet							
Pentane	ND	0.053	mg/Kg wet							
Toluene	ND	0.053	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.053	mg/Kg wet							
2,2,4-Trimethylpentane	ND	0.053	mg/Kg wet							
m+p Xylene	ND	0.11	mg/Kg wet							
o-Xylene	ND	0.053	mg/Kg wet							
Surrogate: 2,5-Dibromotoluene (FID)	2.56		mg/Kg wet	3.33		76.7	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	2.54		mg/Kg wet	3.33		76.3	70-130			

LCS (B015023-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

Benzene	7.47	0.057	mg/Kg wet	6.67		112	70-130			
Butylcyclohexane	5.42	0.057	mg/Kg wet	6.67		81.3	70-130			
Decane	6.21	0.057	mg/Kg wet	6.67		93.2	70-130			
Ethylbenzene	6.65	0.057	mg/Kg wet	6.67		99.7	70-130			
Methyl tert-Butyl Ether (MTBE)	8.01	0.057	mg/Kg wet	6.67		120	70-130			
2-Methylpentane	6.83	0.057	mg/Kg wet	6.67		102	70-130			
Naphthalene	6.95	0.57	mg/Kg wet	6.67		104	70-130			
Nonane	5.71	0.057	mg/Kg wet	6.67		85.6	30-130			
Pentane	7.23	0.057	mg/Kg wet	6.67		109	70-130			
Toluene	7.06	0.057	mg/Kg wet	6.67		106	70-130			
1,2,4-Trimethylbenzene	6.08	0.057	mg/Kg wet	6.67		91.2	70-130			
2,2,4-Trimethylpentane	6.49	0.057	mg/Kg wet	6.67		97.3	70-130			
m+p Xylene	13.1	0.11	mg/Kg wet	13.3		98.5	70-130			
o-Xylene	6.72	0.057	mg/Kg wet	6.67		101	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	4.05		mg/Kg wet	3.33		122	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	3.95		mg/Kg wet	3.33		118	70-130			

LCS Dup (B015023-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

Benzene	7.24	0.057	mg/Kg wet	6.67		109	70-130	3.14	25	
Butylcyclohexane	5.66	0.057	mg/Kg wet	6.67		84.8	70-130	4.26	25	
Decane	6.35	0.057	mg/Kg wet	6.67		95.3	70-130	2.22	25	
Ethylbenzene	6.53	0.057	mg/Kg wet	6.67		97.9	70-130	1.81	25	
Methyl tert-Butyl Ether (MTBE)	7.54	0.057	mg/Kg wet	6.67		113	70-130	6.02	25	
2-Methylpentane	6.51	0.057	mg/Kg wet	6.67		97.7	70-130	4.73	25	
Naphthalene	7.78	0.57	mg/Kg wet	6.67		117	70-130	11.2	25	
Nonane	6.04	0.057	mg/Kg wet	6.67		90.6	30-130	5.71	25	
Pentane	6.66	0.057	mg/Kg wet	6.67		99.9	70-130	8.29	25	
Toluene	6.96	0.057	mg/Kg wet	6.67		104	70-130	1.39	25	
1,2,4-Trimethylbenzene	5.85	0.057	mg/Kg wet	6.67		87.7	70-130	3.88	25	

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015023 - MA VPH
LCS Dup (B015023-BSD1)

Prepared: 06/16/10 Analyzed: 06/17/10

2,2,4-Trimethylpentane	6.64	0.057	mg/Kg wet	6.67		99.6	70-130	2.30	25	
m+p Xylene	13.0	0.11	mg/Kg wet	13.3		97.2	70-130	1.37	25	
o-Xylene	6.55	0.057	mg/Kg wet	6.67		98.2	70-130	2.60	25	
Surrogate: 2,5-Dibromotoluene (FID)	5.29		mg/Kg wet	3.33		159	* 70-130			S-23
Surrogate: 2,5-Dibromotoluene (PID)	5.31		mg/Kg wet	3.33		159	* 70-130			S-23

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015056 - SW-846 7471A										
Blank (B015056-BLK1)				Prepared & Analyzed: 06/17/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B015056-BS1)				Prepared & Analyzed: 06/17/10						
Mercury	0.934	0.025	mg/Kg wet	0.911		102	66-132			
LCS Dup (B015056-BSD1)				Prepared & Analyzed: 06/17/10						
Mercury	1.01	0.025	mg/Kg wet	0.998		101	66-132	7.51	30	
Duplicate (B015056-DUP1)				Source: 10F0414-13		Prepared & Analyzed: 06/17/10				
Mercury	0.0920	0.022	mg/Kg dry		0.0949			3.18	35	
Matrix Spike (B015056-MS1)				Source: 10F0414-13		Prepared & Analyzed: 06/17/10				
Mercury	0.492	0.022	mg/Kg dry	0.436	0.0949	91.0	75-125			
Matrix Spike Dup (B015056-MSD1)				Source: 10F0414-13		Prepared & Analyzed: 06/17/10				
Mercury	0.506	0.022	mg/Kg dry	0.435	0.0949	94.4	75-125	2.85	35	
Batch B015060 - SW-846 3050B										
Blank (B015060-BLK1)				Prepared: 06/17/10 Analyzed: 06/18/10						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B015060-BS1)				Prepared: 06/17/10 Analyzed: 06/18/10						
Antimony	89.8	5.0	mg/Kg wet	103		87.2	30-203.7			
Arsenic	101	5.0	mg/Kg wet	107		94.6	81.6-118.4			
Barium	305	5.0	mg/Kg wet	331		92.1	80.7-119.3			
Beryllium	72.6	0.50	mg/Kg wet	74.0		98.0	81.6-118.9			
Cadmium	219	0.50	mg/Kg wet	244		89.8	82.4-117.6			
Chromium	71.0	1.0	mg/Kg wet	80.5		88.1	78.8-120.7			
Lead	93.3	1.5	mg/Kg wet	107		87.3	79.1-120.3			
Nickel	87.8	1.0	mg/Kg wet	96.7		90.8	81.2-119.2			
Selenium	166	10	mg/Kg wet	177		93.9	78.4-120.9			
Silver	40.9	1.0	mg/Kg wet	46.2		88.6	66.2-133.6			
Thallium	258	5.0	mg/Kg wet	272		95.0	77.6-122.4			
Vanadium	110	2.0	mg/Kg wet	115		95.9	79.4-120.1			
Zinc	348	2.0	mg/Kg wet	378		92.0	80.5-119.3			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015060 - SW-846 3050B
LCS (B015060-BS2)

Prepared: 06/17/10 Analyzed: 06/18/10

Lead	0.793	0.75	mg/Kg wet	0.747		106	79.1-120.3			
------	-------	------	-----------	-------	--	-----	------------	--	--	--

LCS Dup (B015060-BSD1)

Prepared: 06/17/10 Analyzed: 06/18/10

Antimony	87.9	5.0	mg/Kg wet	103		85.3	30-203.7	2.13	30	
Arsenic	106	5.0	mg/Kg wet	107		99.5	81.6-118.4	5.12	30	
Barium	317	5.0	mg/Kg wet	331		95.7	80.7-119.3	3.82	30	
Beryllium	74.2	0.50	mg/Kg wet	74.1		100	81.6-118.9	2.25	30	
Cadmium	228	0.50	mg/Kg wet	244		93.6	82.4-117.6	4.24	30	
Chromium	74.9	1.0	mg/Kg wet	80.6		92.9	78.8-120.7	5.32	30	
Lead	97.3	1.5	mg/Kg wet	107		91.0	79.1-120.3	4.23	30	
Nickel	91.8	1.0	mg/Kg wet	96.8		94.9	81.2-119.2	4.50	30	
Selenium	174	10	mg/Kg wet	177		98.1	78.4-120.9	4.42	30	
Silver	42.6	1.0	mg/Kg wet	46.2		92.3	66.2-133.6	4.18	30	
Thallium	274	5.0	mg/Kg wet	272		101	77.6-122.4	5.96	30	
Vanadium	114	2.0	mg/Kg wet	115		99.5	79.4-120.1	3.71	30	
Zinc	357	2.0	mg/Kg wet	378		94.5	80.5-119.3	2.70	30	

Batch B015085 - SW-846 3050B
Blank (B015085-BLK1)

Prepared & Analyzed: 06/18/10

Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							

LCS (B015085-BS1)

Prepared & Analyzed: 06/18/10

Antimony	100	5.0	mg/Kg wet	103		97.6	30-203.7			
Arsenic	113	5.0	mg/Kg wet	107		105	81.6-118.4			
Barium	354	5.0	mg/Kg wet	331		107	80.7-119.3			
Beryllium	81.0	0.50	mg/Kg wet	74.1		109	81.6-118.9			
Cadmium	250	0.50	mg/Kg wet	244		103	82.4-117.6			
Chromium	83.5	1.0	mg/Kg wet	80.6		104	78.8-120.7			
Lead	102	1.5	mg/Kg wet	107		95.9	79.1-120.3			
Nickel	99.2	1.0	mg/Kg wet	96.7		103	81.2-119.2			
Selenium	191	10	mg/Kg wet	177		108	78.4-120.9			
Silver	46.5	1.0	mg/Kg wet	46.2		101	66.2-133.6			
Thallium	274	5.0	mg/Kg wet	272		101	77.6-122.4			
Vanadium	126	2.0	mg/Kg wet	115		110	79.4-120.1			
Zinc	415	2.0	mg/Kg wet	378		110	80.5-119.3			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015085 - SW-846 3050B										
LCS (B015085-BS2)					Prepared & Analyzed: 06/18/10					
Lead	0.872	0.75	mg/Kg wet	0.749		116	79.1-120.3			
LCS Dup (B015085-BSD1)					Prepared & Analyzed: 06/18/10					
Antimony	95.0	5.0	mg/Kg wet	103		92.2	30-203.7	5.63	30	
Arsenic	107	5.0	mg/Kg wet	107		99.6	81.6-118.4	5.54	30	
Barium	340	5.0	mg/Kg wet	331		103	80.7-119.3	3.99	30	
Beryllium	77.4	0.50	mg/Kg wet	74.1		104	81.6-118.9	4.62	30	
Cadmium	239	0.50	mg/Kg wet	244		97.9	82.4-117.6	4.74	30	
Chromium	81.2	1.0	mg/Kg wet	80.6		101	78.8-120.7	2.84	30	
Lead	102	1.5	mg/Kg wet	107		95.5	79.1-120.3	0.391	30	
Nickel	95.2	1.0	mg/Kg wet	96.8		98.4	81.2-119.2	4.10	30	
Selenium	178	10	mg/Kg wet	177		101	78.4-120.9	7.00	30	
Silver	43.5	1.0	mg/Kg wet	46.2		94.3	66.2-133.6	6.52	30	
Thallium	265	5.0	mg/Kg wet	272		97.5	77.6-122.4	3.15	30	
Vanadium	120	2.0	mg/Kg wet	115		105	79.4-120.1	4.66	30	
Zinc	376	2.0	mg/Kg wet	378		99.4	80.5-119.3	9.83	30	
Duplicate (B015085-DUP1)					Source: 10F0414-13		Prepared & Analyzed: 06/18/10			
Antimony	ND	3.2	mg/Kg dry		ND			NC	35	
Arsenic	10.5	3.2	mg/Kg dry		10.4			0.940	35	
Barium	847	3.2	mg/Kg dry		1040			20.5	35	
Beryllium	2.24	0.32	mg/Kg dry		3.13			33.0	35	
Cadmium	1.73	0.32	mg/Kg dry		1.94			11.6	35	
Lead	166	0.95	mg/Kg dry		177			6.28	35	
Nickel	13.6	0.63	mg/Kg dry		15.2			11.5	35	
Selenium	ND	6.3	mg/Kg dry		ND			NC	35	
Silver	ND	0.63	mg/Kg dry		ND			NC	35	
Thallium	ND	3.2	mg/Kg dry		ND			NC	35	
Vanadium	23.7	1.3	mg/Kg dry		22.7			4.30	35	
Zinc	176	1.3	mg/Kg dry		200			13.2	35	
Matrix Spike (B015085-MS1)					Source: 10F0414-13		Prepared & Analyzed: 06/18/10			
Antimony	24.6	3.2	mg/Kg dry	31.6	ND	77.7	75-125			
Arsenic	44.8	3.2	mg/Kg dry	31.6	10.4	109	75-125			
Barium	743	3.2	mg/Kg dry	31.6	1040	-941 *	75-125			MS-19
Beryllium	35.3	0.32	mg/Kg dry	31.6	3.13	102	75-125			
Cadmium	33.6	0.32	mg/Kg dry	31.6	1.94	100	75-125			
Lead	276	0.95	mg/Kg dry	31.6	177	315 *	75-125			MS-19
Nickel	45.9	0.63	mg/Kg dry	31.6	15.2	97.1	75-125			
Selenium	34.1	6.3	mg/Kg dry	31.6	ND	108	75-125			
Silver	30.7	0.63	mg/Kg dry	31.6	ND	97.3	75-125			
Thallium	28.9	3.2	mg/Kg dry	31.6	ND	91.7	75-125			
Vanadium	50.7	1.3	mg/Kg dry	31.6	22.7	88.7	75-125			
Zinc	288	1.3	mg/Kg dry	31.6	200	277 *	75-125			MS-19

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015085 - SW-846 3050B

Matrix Spike Dup (B015085-MSD1)		Source: 10F0414-13		Prepared & Analyzed: 06/18/10							
Antimony	23.4	3.2	mg/Kg dry	31.6	ND	74.0	*	75-125	4.90	35	MS-13
Arsenic	43.0	3.2	mg/Kg dry	31.6	10.4	103		75-125	4.07	35	
Barium	630	3.2	mg/Kg dry	31.6	1040	-1300	*	75-125	16.4	35	MS-19
Beryllium	35.4	0.32	mg/Kg dry	31.6	3.13	102		75-125	0.291	35	
Cadmium	33.2	0.32	mg/Kg dry	31.6	1.94	98.9		75-125	1.03	35	
Lead	234	0.95	mg/Kg dry	31.6	177	181	*	75-125	16.5	35	MS-19
Nickel	47.4	0.63	mg/Kg dry	31.6	15.2	102		75-125	3.20	35	
Selenium	33.0	6.3	mg/Kg dry	31.6	ND	104		75-125	3.24	35	
Silver	30.5	0.63	mg/Kg dry	31.6	ND	96.5		75-125	0.766	35	
Thallium	28.8	3.2	mg/Kg dry	31.6	ND	91.2		75-125	0.379	35	
Vanadium	53.5	1.3	mg/Kg dry	31.6	22.7	97.5		75-125	5.36	35	
Zinc	241	1.3	mg/Kg dry	31.6	200	129	*	75-125	17.7	35	MS-19

Batch B015147 - SW-846 3050B

Blank (B015147-BLK1)		Prepared & Analyzed: 06/21/10									
Chromium	ND	0.50	mg/Kg wet								
LCS (B015147-BS1)		Prepared & Analyzed: 06/21/10									
Chromium	81.1	1.0	mg/Kg wet	80.5		101		78.8-120.7			
LCS Dup (B015147-BSD1)		Prepared & Analyzed: 06/21/10									
Chromium	82.4	1.0	mg/Kg wet	80.6		102		78.8-120.7	1.63	30	
Duplicate (B015147-DUP2)		Source: 10F0414-13RE1		Prepared & Analyzed: 06/21/10							
Chromium	43.8	0.63	mg/Kg dry		50.9				15.0	35	
Matrix Spike (B015147-MS2)		Source: 10F0414-13RE1		Prepared & Analyzed: 06/21/10							
Chromium	79.6	0.63	mg/Kg dry	31.6	50.9	90.7		75-125			
Matrix Spike Dup (B015147-MSD2)		Source: 10F0414-13RE1		Prepared & Analyzed: 06/21/10							
Chromium	74.8	0.63	mg/Kg dry	31.7	50.9	75.5		75-125	6.14	35	

BREAKDOWN REPORT

Lab Sample ID: S000374-PEM1 Analyzed: 06/18/2010

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.00
Endrin [1]	1.21

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.00
Endrin [2]	1.03

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-08	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
MS-14	Matrix spike recovery is outside of control limits. Data validation is not affected since sample result is "not detected" and recovery bias is on the high side for this compound.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-20	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.
O-01	Soil/methanol ratio does not meet method specifications. Excess amount of soil. Sample was completely covered with methanol, but with less than the method-specified amount.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-23	Surrogate recovery outside of control limits in BS/MS spiked sample, all reported analytes are within control criteria, data not significantly affected.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Soil	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
MADEP-VPH-04-1.1 in Soil	
Unadjusted C5-C8 Aliphatics	CT,NC,WA
C5-C8 Aliphatics	CT,NC,WA
Unadjusted C9-C12 Aliphatics	CT,NC,WA
C9-C12 Aliphatics	CT,NC,WA
C9-C10 Aromatics	CT,NC,WA
Benzene	CT,NC,WA
Ethylbenzene	CT,NC,WA
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA
Naphthalene	CT,NC,WA
Toluene	CT,NC,WA
o-Xylene	CT,NC,WA
SW-846 6010B in Soil	
Antimony	CT,NH,NY
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Beryllium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Nickel	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
Thallium	CT,NH,NY
Vanadium	CT,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010B in Soil</i>	
Zinc	CT,NH,NY
<i>SW-846 7471A in Soil</i>	
Mercury	CT,NH,NY
<i>SW-846 8081A in Product/Solid</i>	
Aldrin	CT,NC,NH,NY
Aldrin [2C]	CT,NC,NH,NY
alpha-BHC	CT,NC,NH,NY
alpha-BHC [2C]	CT,NC,NH,NY
beta-BHC	CT,NC,NH,NY
beta-BHC [2C]	CT,NC,NH,NY
delta-BHC	CT,NC,NH,NY
delta-BHC [2C]	CT,NC,NH,NY
gamma-BHC (Lindane)	CT,NC,NH,NY
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY
Chlordane	CT,NC,NH,NY
Chlordane [2C]	CT,NC,NH,NY
4,4'-DDD	CT,NC,NH,NY
4,4'-DDD [2C]	CT,NC,NH,NY
4,4'-DDE	CT,NC,NH,NY
4,4'-DDE [2C]	CT,NC,NH,NY
4,4'-DDT	CT,NC,NH,NY
4,4'-DDT [2C]	CT,NC,NH,NY
Dieldrin	CT,NC,NH,NY
Dieldrin [2C]	CT,NC,NH,NY
Endosulfan I	CT,NC,NH,NY
Endosulfan I [2C]	CT,NC,NH,NY
Endosulfan II	CT,NC,NH,NY
Endosulfan II [2C]	CT,NC,NH,NY
Endosulfan Sulfate	CT,NC,NH,NY
Endosulfan Sulfate [2C]	CT,NC,NH,NY
Endrin	CT,NC,NH,NY
Endrin [2C]	CT,NC,NH,NY
Heptachlor	CT,NC,NH,NY
Heptachlor [2C]	CT,NC,NH,NY
Heptachlor Epoxide	CT,NC,NH,NY
Heptachlor Epoxide [2C]	CT,NC,NH,NY
Hexachlorobenzene	NH
Hexachlorobenzene [2C]	NH
Methoxychlor	CT,NC,NH,NY
Methoxychlor [2C]	CT,NC,NH,NY
<i>SW-846 8081A in Soil</i>	
Aldrin	CT,NC,NH,NY
Aldrin [2C]	CT,NC,NH,NY
alpha-BHC	CT,NC,NH,NY
alpha-BHC [2C]	CT,NC,NH,NY
beta-BHC	CT,NC,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081A in Soil</i>	
beta-BHC [2C]	CT,NC,NH,NY
delta-BHC	CT,NC,NH,NY
delta-BHC [2C]	CT,NC,NH,NY
gamma-BHC (Lindane)	CT,NC,NH,NY
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY
Chlordane	CT,NC,NH,NY
Chlordane [2C]	CT,NC,NH,NY
4,4'-DDD	CT,NC,NH,NY
4,4'-DDD [2C]	CT,NC,NH,NY
4,4'-DDE	CT,NC,NH,NY
4,4'-DDE [2C]	CT,NC,NH,NY
4,4'-DDT	CT,NC,NH,NY
4,4'-DDT [2C]	CT,NC,NH,NY
Dieldrin	CT,NC,NH,NY
Dieldrin [2C]	CT,NC,NH,NY
Endosulfan I	CT,NC,NH,NY
Endosulfan I [2C]	CT,NC,NH,NY
Endosulfan II	CT,NC,NH,NY
Endosulfan II [2C]	CT,NC,NH,NY
Endosulfan Sulfate	CT,NC,NH,NY
Endosulfan Sulfate [2C]	CT,NC,NH,NY
Endrin	CT,NC,NH,NY
Endrin [2C]	CT,NC,NH,NY
Heptachlor	CT,NC,NH,NY
Heptachlor [2C]	CT,NC,NH,NY
Heptachlor Epoxide	CT,NC,NH,NY
Heptachlor Epoxide [2C]	CT,NC,NH,NY
Hexachlorobenzene	NH
Hexachlorobenzene [2C]	NH
Methoxychlor	CT,NC,NH,NY
Methoxychlor [2C]	CT,NC,NH,NY
<i>SW-846 8082 in Soil</i>	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: TRC

Address: 650 Suffolk St.

Lowell MA 01854

Attention: Ryan Niles

Project Location: 29 Elm St Salisbury MA.

Sampled By: H. Rizza + E. Wachetel

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☐ yes ☐ no

Telephone: 978 970-5600

Project # 170023

Client PO # 24589

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: PNiles@TRCStructs.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time

Stop Date/Time

Comp-
oste

Grab

*Matrix | Conc.
Code | Code

VOCs

VPH-Carbon Ranges

SVOCs

EPH-Carbon Ranges

Metals + Hg

Pesticides

PCBs

ANALYSIS REQUESTED

Cont. Code

Comments:

Client

Preserve

analyze

for

VRH+VOCs

17

06-15-10 19:52 OUT

FROZEN AT:

VIALS/ENCORE

06-15-10 19:52 OUT

Laboratory Comments:

See EPA approved OAPP

Temp = 2.0

H - High; M - Medium; L - Low; C - Clean; U - Unknown

VIALS/ENCORE

FROZEN AT:

06-15-10 19:52 OUT

Relinquished by (signature)

[Signature]

Date/Time: 6/15/10

Turnaround **

☒ 7-Day

☐ 10-Day

☐ Other

RUSH *

Special Requirements or DL's:

Detection Limit Requirements

Regulations?

Data Enhancement Project/PCP? ☐ Y ☐ N

*Matrix Code:

**Preservation Codes:

I = Ice

X = Na hydroxide

H = HCL

T = Na thiosulfate

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

O = Other

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

O = other

GW = groundwater

WW = wastewater

DW = drinking water

A = air

</



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 2 of 2

Company Name: TRC

Address: 650 Suffolk St

Lowell Ma. 01854

Attention: Ryan D. Ves

Project Location: 45 Elm St. Salisbury Ma.

Sampled By: H. Lizzit + E. Wachtel

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

State Form Required?

☐ yes ☐ no

Telephone: (978) 970-5600

Project # 170023

Client PO # 24589

DATA DELIVERY (check one):

☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: ELIZ@TRCSolutions.com

Format: ☒ EXCEL ☒ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time

Stop Date/Time

Comp-
oste Grab

*Matrix | Conc.
Code | Code

VOCs

VPH-Carbon Ranges

SVOCs

EPH-Carbon ranges

metals + H₂

Pesticides

metals + H₂

ANALYSIS REQUESTED

Cont. Code:

A=amber glass
G=glass
P=plastic
ST=sterile
V=val
S=summary can
T=tedlar bag
O=Other

Client Comments:

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-oste Grab	*Matrix Conc. Code Code	VOCs	VPH-Carbon Ranges	SVOCs	EPH-Carbon ranges	metals + H ₂	Pesticides	metals + H ₂	ANALYSIS REQUESTED	Cont. Code:
Dup-3	(0-3/2')	09	6/15/10	—	—	X S	X	X	X	X	X	X	X	X	
B-6	(3-4/4')	10	—	1200	X	X S	X	X	X	X	X	X	X	X	
TP-104	(0-2/2')	11	—	1230	X	X S	X	X	X	X	X	X	X	X	
TP-105	(0-1/0.5')	12	—	1330	X	X S	X	X	X	X	X	X	X	X	
TP-103	(0-1/0.5')	13	—	1335	X	X S	X	X	X	X	X	X	X	X	
TP-102	(0-2/0.5')	14	—	1400	X	X S	X	X	X	X	X	X	X	X	
TP-101	(0-1/1')	15	—	1410	X	X S	X	X	X	X	X	X	X	X	
Dup-4	(0-2/0.5')	16	6/15/10	—	—	X S	X	X	X	X	X	X	X	X	

Laboratory Comments: SEE EPA Approved QAPP
Temp = 2.0

Relinquished by: (signature) [Signature]

Received by: (signature) [Signature]

Relinquished by: (signature) [Signature]

Received by: (signature) [Signature]

Relinquished by: (signature) [Signature]

Received by: (signature) [Signature]

Date/Time: 6/15/10 1615

Date/Time: 6/15/10 1615

Date/Time: 6/15/10 1720

Date/Time: 6/15/10 1830

Turnaround **

☒ 7-Day

☐ 10-Day

☐ Other

RUSH *

☐ 24-Hr ☐ 48-Hr

☐ 72-Hr ☐ 14-Day

☐ Require lab approval

Detection Limit Requirements

Regulations? —

Data Enhancement Project/RCP? ☐ Y ☒ N

Special Requirements or DL's: —

*Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

SL = sludge

**Preservation Codes:

I = Ice

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

O = Other

X = Na hydroxide

T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified

Sample Receipt Checklist

 CLIENT NAME: TRC RECEIVED BY: RB DATE: 6-15-10

 1) Was the chain(s) of custody relinquished and signed? Yes No

 2) Does the chain agree with the samples? Yes No

If not, explain:

 3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

 On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

 Were the samples received in Temperature Compliance of (2-6°C)? Yes No

 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.0

 5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

 6) Are there any samples "On Hold"? Yes No Stored where:

 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

 8) Location where samples are stored: 19/17

 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)	<u>34</u>	2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	<u>RB 62</u>	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

 40 mL vials: # HCl _____ # Methanol 20
 # Bisulfate _____ # DI Water 34
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

06-15-10 19:52 OUT

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10F0414

Project Location: 29 Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10F0414-01 thru 10F0414-17

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A (X)	8081 Pesticides CAM V B (X)	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☒ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Director

Printed Name: Michael A. Erickson

Date: 06/23/10

Gilson Aspec XL4 Fractionation Check

Silica Gel Lot: **S212-52**
Frac Check Lot: 061010 PJG
Hexane Lot: 50062
DCM Lot: DB711
Acetone Lot: 50102

Vendor: **PHENOMENEX**
Amount of DCM Collected: 5000 µL
Amount of Hexane Collected: 1800 µL

Data File: 060910 D0609207/D0609208

<u>Compound</u>	<u>Conc. (ppm)</u>	<u>Recovery</u>	<u>% Recovery</u>	<u>Limits</u>
Naphthalene	50.0	41.258	83%	40-140
2-Methylnaphthalene	50.0	44.526	89%	40-140
Acenaphthalene	50.0	45.783	92%	40-140
Acenaphthene	50.0	45.324	91%	40-140
Fluorene	50.0	46.054	92%	40-140
Phenanthrene	50.0	47.931	96%	40-140
Anthracene	50.0	47.844	96%	40-140
o-Terphenyl (surr.)	50.0	48.999	98%	40-140
Fluoranthene	50.0	47.625	95%	40-140
Pyrene	50.0	49.521	99%	40-140
Benzo(a)anthracene	50.0	51.208	102%	40-140
Chrysene	50.0	48.771	98%	40-140
Benzo(b)fluoranthene	50.0	51.125	102%	40-140
Benzo(k)fluoranthene	50.0	50.334	101%	40-140
Benzo(a)pyrene	50.0	48.526	97%	40-140
Indeno(123cd)pyrene	50.0	49.993	100%	40-140
Dibenzo(ah)anthracene	50.0	50.698	101%	40-140
Benzo(ghi)perylene	50.0	50.240	100%	40-140
C9	50.0	31.834	64%	30-140
C10	50.0	35.293	71%	40-140
C12	50.0	36.922	74%	40-140
C14	50.0	43.209	86%	40-140
C16	50.0	46.285	93%	40-140
C18	50.0	48.385	97%	40-140
C19	50.0	50.239	100%	40-140
C20	50.0	51.168	102%	40-140
1-Chlorooctadecane (surr.)	50.0	40.842	82%	40-140
C22	50.0	51.817	104%	40-140
C24	50.0	51.828	104%	40-140
C26	50.0	53.734	107%	40-140
C28	50.0	52.315	105%	40-140
C30	50.0	51.799	104%	40-140
C36	50.0	52.757	106%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50.0	50.341	101%	40-140
2-Bromonaphthalene	50.0	43.672	87%	40-140
Aliphatic bleed thru	% (<5%)			
Naphthalene	0.0	0.000		
2-Methylnaphthalene	0.0	0.000		

July 13, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: Elm St., Salisbury, MA
Client Job Number:
Project Number: 170023
Laboratory Work Order Number: 10G0138

Enclosed are results of analyses for samples received by the laboratory on July 6, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 7/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10G0138

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-17	10G0138-01	Soil		SM 2540G SM2580 A SW-846 7196A SW-846 9045D	
SS-2	10G0138-02	Soil		SM 2540G SM2580 A SW-846 7196A SW-846 9045D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 7196A

Qualifications:

For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.

Analyte & Samples(s) Qualified:

Hexavalent Chromium

10G0138-02[SS-2], B016138-MS1, B016138-MSD1

SW-846 9045D

Qualifications:

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 1 hour holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

10G0138-01[SS-17], 10G0138-02[SS-2]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10G0138

Date Received: 7/6/2010

Field Sample #: SS-17

Sampled: 6/14/2010 14:50

Sample ID: 10G0138-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	2.8	0.37	mg/Kg dry	2		SW-846 7196A	7/9/10	7/13/10 12:45	AED
Oxidation/Reduction Potential	170		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.8°C	7.7		pH Units	1	H-05	SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	85.5		% Wt	1		SM 2540G	7/7/10	7/8/10 8:52	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10G0138

Date Received: 7/6/2010

Field Sample #: SS-2

Sampled: 6/14/2010 16:30

Sample ID: 10G0138-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	4.8	0.90	mg/Kg dry	5	MS-16	SW-846 7196A	7/9/10	7/13/10 12:45	AED
Oxidation/Reduction Potential	190		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	7.1		pH Units	1	H-05	SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	88.2		% Wt	1		SM 2540G	7/7/10	7/8/10 8:52	NH

Sample Extraction Data**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
10G0138-01 [SS-17]	B015858	07/07/10
10G0138-02 [SS-2]	B015858	07/07/10

SM2580 A

Lab Number [Field ID]	Batch	Initial [g]	Date
10G0138-01 [SS-17]	B015870	20.0	06/15/10
10G0138-02 [SS-2]	B015870	20.0	06/15/10

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0138-01 [SS-17]	B016138	2.50	100	07/09/10
10G0138-02 [SS-2]	B016138	2.52	100	07/09/10

SW-846 9045D

Lab Number [Field ID]	Batch	Initial [g]	Date
10G0138-01 [SS-17]	B015872	20.0	06/15/10
10G0138-02 [SS-2]	B015872	20.0	06/15/10

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B016138 - SW-846 7196A										
Blank (B016138-BLK1)				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	ND	0.16	mg/Kg wet							
LCS (B016138-BS1)				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	140	4.0	mg/Kg wet	145		96.3	80-120			
LCS Dup (B016138-BSD1)				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	140	4.0	mg/Kg wet	145		95.4	80-120	0.899	35	
Duplicate (B016138-DUP1)				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	5.3	0.90	mg/Kg dry		4.8			11.3	35	
Matrix Spike (B016138-MS1) Soluble MS				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	26	1.8	mg/Kg dry	45.3	4.8	47.2	* 75-125			MS-16
Matrix Spike (B016138-MS2) PDMS				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	44	1.8	mg/Kg dry	45.2	4.8	87.5	75-125			
Matrix Spike (B016138-MS3) Insoluble MS				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	600	18	mg/Kg dry	719	4.8	83.4	75-125			
Matrix Spike Dup (B016138-MSD1) Soluble MS Dup				Prepared: 07/09/10 Analyzed: 07/13/10						
Hexavalent Chromium	21	1.8	mg/Kg dry	45.3	4.8	35.8	* 75-125	21.9		MS-16

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 1 hour holding time was exceeded.
MS-16	For solid method SW846-7196A, the matrix spike is outside of control limits. pH and ORP results were indicative of reducing conditions. Reanalysis is not required. Analysis is in control based on LCS recoveries.

CERTIFICATIONS**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 7196A in Soil</i>	

Hexavalent Chromium

NY,CT,NH,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

1060138

Company Name: TRC

Telephone: 978-970-5600

Address: 650 Suffolk St.

Project # 170023

Attention: Lowell MA, 01845

Client PO# 24605

Project Location: Salisbury MA - Elm St.

DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Sampled By: H. Rizzuto + E. D. O'Connell

Format: PDF Excel GIS

Project Proposal Provided? (for billing purposes)
☐ yes ☐ no

Enhanced Data Packages
☐ Enhanced Data Packages

Con-Test Lab ID

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

*Matrix Code

Date

1050382-11

SS-26

12

1240

12

1250

13

1300

14

1310

15

1400

16

1410

17

1420

18

1430

19

1440

20

1450

See EHA Approved QAPP

HOLD all Cr +6

Refrigerated by (signature)

Date/TIME

Received by (signature)

Date/TIME

Relinquished by (signature)

Date/TIME

Turnaround Time (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

Turnaround Time (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

Request by (signature)

Date/TIME

Request by (signature)

Date/TIME

Request by (signature)

Date/TIME

ANALYSIS REQUESTED

SVOCs

MCP Metals + Hg

ORP

pH

Cr +6 (HOLD)

plus ms/msd for metals SVOCs

Matrix Code

Date

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

of Containers

** Preservation

** Container Code

Dissolved Metals

Field Filtered

Lab to Filter

** Cont. Code:

A = amber glass

G = glass

P = plastic

ST = sterile

V = vial

S = summa can

T = Tedlar bag

O = Other

** Preservation

I = Ice

H = HCL

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

X = Na hydroxide

T = Na thiosulfate

O = Other

** Matrix Code:

GW = groundwater

WW = wastewater

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 4 of 4

Company Name: RL

Telephone: 978-976-5600

Address: 650 State St.

Project # 176023

Attention: Lowell Ma. 01854

Client PO# 24605

Project Location: Elm St. Salisbury Ma.

DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Sampled By: H. Lizzia + E. Wachtel

Email: lulias@tesolutions.com

Project Proposal Provided? (for billing purposes)
☐ yes ☐ no

Format: ☐ PDF ☐ EXCEL ☐ GIS
☐ OTHER

Collection
☐ "Enhanced Data Package"

Con-Test Lab ID

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

Matrix Code

Matrix Date

See EPA Approved QAPP

HOLD and C

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analytical Certification Form Required

☐ MA State DW Form Required PWSID #



NELAC & AIHA Certified
WB/DBE Certified



Phone: 413-525-2332
Fax: 413-525-8405

CHAIN OF HISTORY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Draco

Company Name: ABC

Telephone: 978-977-5760

Address: 6570 Suffolk St.

Project # 178073

Lowell Ma. 01853

Client PO# 24605

Attention: Ryan Miles

DATA DELIVERY (check all that apply)

Project Location: Elm St. Salisbury, Mass.

Fax #

Sampled By: H. Lizza + E. Wachter

Email: PNLbase@TheSolihullMuseum.co.uk

Project Proposal Provided? (for billing purposes)
☐ yes _____ proposal date _____

Con-Test Lab ID (Laboratory use only)	Client Sample ID / Description	Collection		O "Enhanced Data Package"				pH	Cr		
		Beginning Date/Time	Ending Date/Time	Composite	Grab	Mainline Tool	Cont. Unit				
10F0382-01	SS-36	6/14/10	11:00		X	S		X	X	X	X
-02	SS-35		11:05		X	S		X	X	X	X
-03	SS-34		11:15		X	S		X	X	X	X
-04	SS-33		11:30		X	S		X	X	X	X
-05	SS-32		11:45		X	S		X	X	X	X
-06	SS-31		11:55		X	S		X	X	X	X
-07	SS-30		12:05		X	S		X	X	X	X
-08	SS-29		12:15		X	S		X	X	X	X
-09	SS-28		12:20		X	S		X	X	X	X
-10	SS-27		12:30		X	S		X	X	X	X

See EHA Approved QAPP

For all the

may be high in concentration in Matrix/Conc Code Box:
Please use the following codes to let Con-Test know if a specific sample

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Is your project MCB or RCB?

Received by: (signature)

Date/Time:

10-Day

25/1/72

Requisitioned by (signature)

01/01/02	Date/Time:
----------	------------

☐ Other _____



0361 01-21-2

[†]24-Hr □ [‡]48-Hr

Revised 01/01/2013 (signature)

DATE: 11/1/77

72-H 04-Day

[illegible]

TURNAROUND TIME (business days) STARTS AT 9:00 A.M.

3 DAY AFTER SAMPLING

Other: _____

RECEIPT LINE ES THERE ARE QUESTION

COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED

ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT

1

Page 12 of 16

100

100

100

100

Meghan E. Kelley

From: Niles, Ryan (Pittsburgh,PA-US) [RNiles@trcsolutions.com]
Sent: Tuesday, July 06, 2010 9:50 AM
To: 'mkelley@contestlabs.com'
Subject: Work Order 10F0382

Meghan,

Please run samples SS-2 and SS-17 for Hexavalent Chromium, based on total Cr results.

Thanks,
Ryan Niles

From: Meghan E. Kelley [mailto:mkelley@contestlabs.com]
Sent: Monday, June 28, 2010 12:56 PM
To: Niles, Ryan (Pittsburgh,PA-US); Denly, Elizabeth (Lowell,MA-US)
Subject: Salisbury, MA COC

Attached is the chain of custody for the Salisbury MA site.

Meghan Kelley
Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Tel: (413) 525-2332 x55
Fax: (413) 525-6405
mkelley@contestlabs.com



Meghan E. Kelley

From: Denly, Elizabeth (Lowell,MA-US) [edenly@trcsolutions.com]
Sent: Wednesday, July 07, 2010 7:19 PM
To: mkelley@contestlabs.com; Niles, Ryan (Pittsburgh,PA-US)
Subject: RE: Salisbury COC

We need to have an MS/DUP run on one of the two samples.

Elizabeth Denly
Senior QA Chemist



650 Suffolk Street
Lowell, MA 01854
P: 978-656-3577
C: 978-328-2551
edenly@trcsolutions.com

From: Meghan E. Kelley [mailto:mkelley@contestlabs.com]
Sent: Wednesday, July 07, 2010 5:48 PM
To: Niles, Ryan (Pittsburgh,PA-US); Denly, Elizabeth (Lowell,MA-US)
Subject: Salisbury COC

Attached is the chain of custody for the Salisbury MA reactivation.

Meghan Kelley
Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Tel: (413) 525-2332 x55
Fax: (413) 525-6405
mkelley@contestlabs.com



MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10G0138

Project Location: Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10G0138-01 thru 10G0138-02

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM IIIB ()	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B (X)	MassDEP APH CAM IX A ()
8270 SVOC CAM II B ()	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A ()	6020 Metals CAM III D ()	8082 PCB CAM V A ()	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☒ Yes ☐ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 07/13/10

July 2, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 29 Elm Street, Salisbury
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10F0700

Enclosed are results of analyses for samples received by the laboratory on June 24, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 7/2/2010

PURCHASE ORDER NUMBER: 25020

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0700

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm Street, Salisbury

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-5	10F0700-01	Ground Water		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SW-846 6020A SW-846 7470A SW-846 8260B SW-846 8270C	
MW-6	10F0700-02	Ground Water		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SW-846 6020A SW-846 7470A SW-846 8260B SW-846 8270C	
Dup-1	10F0700-03	Ground Water		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SW-846 6020A SW-846 7470A SW-846 8260B SW-846 8270C	
MW-2	10F0700-04	Ground Water		MADEP-EPH-04-1.1 MADEP-VPH-04-1.1 SW-846 6020A SW-846 7470A SW-846 8260B SW-846 8270C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 8260, CAM reporting limits were not met for some compounds because these levels were not supported by the lowest point of the calibration.

SW-846 6020A**Qualifications:**

Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.

Analyte & Samples(s) Qualified:**Chromium, Nickel, Vanadium, Zinc**

10F0700-02[MW-6], 10F0700-03[Dup-1], 10F0700-01[MW-5]

SW-846 8260B**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,1,1,2-Tetrachloroethane, 2,2-Dichloropropane, Bromoform, Carbon Tetrachloride, trans-1,3-Dichloropropene**

B015529-BS1, B015529-BSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Chloromethane, Dichlorodifluoromethane (Freon 12)**

10F0700-01[MW-5], 10F0700-02[MW-6], 10F0700-03[Dup-1], 10F0700-04[MW-2], B015529-BLK1, B015529-BS1, B015529-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**1,1,1,2-Tetrachloroethane, 2,2-Dichloropropane, Bromoform, trans-1,3-Dichloropropene**

B015529-BS1, B015529-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

10F0700-01[MW-5], 10F0700-02[MW-6], 10F0700-03[Dup-1], 10F0700-04[MW-2], B015529-BLK1, B015529-BS1, B015529-BSD1

SW-846 8270C**Qualifications:**

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**Phenol**

10F0700-04[MW-2], B015589-MS1, B015589-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol, 4-Nitrophenol, Bis(2-Ethylhexyl)phthalate**

10F0700-01[MW-5], 10F0700-02[MW-6], 10F0700-03[Dup-1], 10F0700-04[MW-2], B015589-BLK1, B015589-BS1, B015589-BSD1, B015589-MS1, B015589-MSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, bromomethane and 2,2-dichloropropane.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes for water LCS – limits between 10 and 150% depending on the compound (see QC summary report for limits): dimethylphthalate, bis(2-chloroisopropyl)ether, 4-nitrophenol, and phenol.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for water RPDs: aniline, benzo(a,h)anthracene, dimethylphthalate, hexachloroethane, indeno(1,2,3-cd)pyrene, 2,4-dinitrophenol, 4-nitrophenol, 2,4,6-trichlorophenol, and pentachlorophenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 17:09	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:09	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	105	70-130	6/29/10 17:09
Toluene-d8	97.2	70-130	6/29/10 17:09
4-Bromofluorobenzene	95.1	70-130	6/29/10 17:09

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Acetophenone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Aniline	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Benzo(g,h,i)perylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:07	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
1,2-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
1,3-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
1,4-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Fluorene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Isophorone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
4-Nitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Phenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:07	BGL
Surrogates	% Recovery	Recovery Limits			Flag				
2-Fluorophenol	51.0	15-110						7/1/10 14:07	
Phenol-d6	34.3	15-110						7/1/10 14:07	
Nitrobenzene-d5	81.2	30-130						7/1/10 14:07	
2-Fluorobiphenyl	80.8	30-130						7/1/10 14:07	
2,4,6-Tribromophenol	71.8	15-110						7/1/10 14:07	
Terphenyl-d14	75.9	30-130						7/1/10 14:07	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:04	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:04	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:04	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:04	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	56.4	40-140							
o-Terphenyl (OTP)	73.1	40-140							
2-Bromonaphthalene	96.9	40-140							
2-Fluorobiphenyl	93.7	40-140							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:02	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:02	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:02	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:02	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:02	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	94.1		70-130				6/25/10 22:02		
2,5-Dibromotoluene (PID)	90.4		70-130				6/25/10 22:02		

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-5

Sampled: 6/24/2010 13:00

Sample ID: 10F0700-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Arsenic	4.2	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Barium	46	10	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Beryllium	ND	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Cadmium	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Chromium	10	2.0	µg/L	2		SW-846 6020A	6/28/10	6/30/10 13:05	KMT
Lead	3.3	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/28/10	6/28/10 14:19	MPF
Nickel	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:05	KMT
Selenium	ND	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Silver	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Thallium	ND	0.20	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:24	KMT
Vanadium	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:05	KMT
Zinc	ND	20	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:05	KMT

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 17:39	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 17:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	103	70-130	6/29/10 17:39
Toluene-d8	97.4	70-130	6/29/10 17:39
4-Bromofluorobenzene	96.2	70-130	6/29/10 17:39

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Acetophenone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Aniline	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Benzo(g,h,i)perylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:37	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
1,2-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
1,3-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
1,4-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Fluorene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Isophorone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
4-Nitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Phenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 14:37	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	40.3	15-110							
Phenol-d6	25.1	15-110							
Nitrobenzene-d5	67.0	30-130							
2-Fluorobiphenyl	67.2	30-130							
2,4,6-Tribromophenol	73.5	15-110							
Terphenyl-d14	64.0	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:25	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:25	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:25	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:25	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	59.8		40-140				7/1/10 0:25		
o-Terphenyl (OTP)	83.0		40-140				7/1/10 0:25		
2-Bromonaphthalene	98.1		40-140				7/1/10 0:25		
2-Fluorobiphenyl	94.2		40-140				7/1/10 0:25		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:39	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:39	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:39	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:39	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 22:39	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	99.3		70-130				6/25/10 22:39		
2,5-Dibromotoluene (PID)	92.9		70-130				6/25/10 22:39		

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-6

Sampled: 6/24/2010 09:45

Sample ID: 10F0700-02

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Arsenic	2.2	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Barium	22	10	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Beryllium	ND	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Cadmium	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Chromium	ND	2.0	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:22	KMT
Lead	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/28/10	6/28/10 14:21	MPF
Nickel	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:22	KMT
Selenium	ND	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Silver	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Thallium	ND	0.20	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:41	KMT
Vanadium	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:22	KMT
Zinc	ND	20	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:22	KMT

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 18:10	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:10	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	103	70-130	
Toluene-d8	98.6	70-130	
4-Bromofluorobenzene	96.3	70-130	

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Acetophenone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Aniline	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Benzo(g,h,i)perylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:06	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
1,2-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
1,3-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
1,4-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Fluorene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Isophorone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
4-Nitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Phenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:06	BGL
Surrogates	% Recovery	Recovery Limits			Flag				
2-Fluorophenol	42.8	15-110						7/1/10 15:06	
Phenol-d6	26.8	15-110						7/1/10 15:06	
Nitrobenzene-d5	71.0	30-130						7/1/10 15:06	
2-Fluorobiphenyl	69.6	30-130						7/1/10 15:06	
2,4,6-Tribromophenol	86.0	15-110						7/1/10 15:06	
Terphenyl-d14	80.5	30-130						7/1/10 15:06	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:47	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:47	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:47	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 0:47	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	58.1	40-140							
o-Terphenyl (OTP)	78.8	40-140							
2-Bromonaphthalene	96.5	40-140							
2-Fluorobiphenyl	93.4	40-140							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:16	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:16	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:16	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:16	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:16	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	116		70-130				6/25/10 23:16		
2,5-Dibromotoluene (PID)	110		70-130				6/25/10 23:16		

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: Dup-1

Sampled: 6/24/2010 00:00

Sample ID: 10F0700-03

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Arsenic	2.2	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Barium	22	10	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Beryllium	ND	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Cadmium	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Chromium	ND	2.0	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:26	KMT
Lead	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/28/10	6/28/10 14:23	MPF
Nickel	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:26	KMT
Selenium	ND	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Silver	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Thallium	ND	0.20	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:45	KMT
Vanadium	ND	10	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:26	KMT
Zinc	ND	20	µg/L	2	DL-05	SW-846 6020A	6/28/10	6/30/10 13:26	KMT

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Chloromethane	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 18:40	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Naphthalene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	6/29/10	6/29/10 18:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag
1,2-Dichloroethane-d4	105	70-130	
Toluene-d8	97.2	70-130	
4-Bromofluorobenzene	95.8	70-130	

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Acenaphthylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Acetophenone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Aniline	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Benzo(a)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Benzo(a)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Benzo(b)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Benzo(g,h,i)perylene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:35	BGL
4-Bromophenylphenylether	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Butylbenzylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
4-Chloroaniline	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2-Chloronaphthalene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Chrysene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Dibenz(a,h)anthracene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Dibenzofuran	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
1,2-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
1,3-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
1,4-Dichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
3,3-Dichlorobenzidine	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4-Dichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Diethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4-Dinitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,6-Dinitrotoluene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Fluoranthene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Fluorene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Hexachloroethane	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Isophorone	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
3/4-Methylphenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Naphthalene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Nitrobenzene	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
4-Nitrophenol	ND	10	µg/L	1	V-06	SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Phenanthrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Phenol	ND	10	µg/L	1	MS-09	SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Pyrene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4,5-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270C	6/30/10	7/1/10 15:35	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	56.7	15-110							
Phenol-d6	37.9	15-110							
Nitrobenzene-d5	85.9	30-130							
2-Fluorobiphenyl	81.8	30-130							
2,4,6-Tribromophenol	94.3	15-110							
Terphenyl-d14	96.7	30-130							

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 1:08	CJM
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 1:08	CJM
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 1:08	CJM
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	6/28/10	7/1/10 1:08	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	61.2	40-140						7/1/10 1:08	
o-Terphenyl (OTP)	82.5	40-140						7/1/10 1:08	
2-Bromonaphthalene	101	40-140						7/1/10 1:08	
2-Fluorobiphenyl	97.2	40-140						7/1/10 1:08	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:53	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:53	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:53	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:53	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	6/25/10	6/25/10 23:53	EEH
Surrogates	% Recovery		Recovery Limits		Flag				
2,5-Dibromotoluene (FID)	107		70-130				6/25/10 23:53		
2,5-Dibromotoluene (PID)	98.3		70-130				6/25/10 23:53		

Project Location: 29 Elm Street, Salisbury

Sample Description:

Work Order: 10F0700

Date Received: 6/24/2010

Field Sample #: MW-2

Sampled: 6/24/2010 14:50

Sample ID: 10F0700-04

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Arsenic	1.8	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Barium	1200	200	µg/L	20		SW-846 6020A	6/28/10	6/30/10 13:29	KMT
Beryllium	ND	0.40	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Cadmium	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Chromium	ND	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Lead	2.8	1.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	6/28/10	6/28/10 14:24	MPF
Nickel	5.2	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Selenium	ND	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Silver	ND	0.50	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Thallium	ND	0.20	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Vanadium	ND	5.0	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT
Zinc	58	10	µg/L	1		SW-846 6020A	6/28/10	6/29/10 17:48	KMT

Sample Extraction Data**Prep Method: SW-846 3510C-MADEP-EPH-04-1.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015499	1000	2.00	06/28/10
10F0700-02 [MW-6]	B015499	1000	2.00	06/28/10
10F0700-03 [Dup-1]	B015499	1000	2.00	06/28/10
10F0700-04 [MW-2]	B015499	1000	2.00	06/28/10

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015368	5	5.00	06/25/10
10F0700-02 [MW-6]	B015368	5	5.00	06/25/10
10F0700-03 [Dup-1]	B015368	5	5.00	06/25/10
10F0700-04 [MW-2]	B015368	5	5.00	06/25/10

Prep Method: SW-846 3005A-SW-846 6020A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015456	50.0	50.0	06/28/10
10F0700-02 [MW-6]	B015456	50.0	50.0	06/28/10
10F0700-03 [Dup-1]	B015456	50.0	50.0	06/28/10
10F0700-04 [MW-2]	B015456	50.0	50.0	06/28/10

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015453	6.00	6.00	06/28/10
10F0700-02 [MW-6]	B015453	6.00	6.00	06/28/10
10F0700-03 [Dup-1]	B015453	6.00	6.00	06/28/10
10F0700-04 [MW-2]	B015453	6.00	6.00	06/28/10

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015529	5	5.00	06/29/10
10F0700-02 [MW-6]	B015529	5	5.00	06/29/10
10F0700-03 [Dup-1]	B015529	5	5.00	06/29/10
10F0700-04 [MW-2]	B015529	5	5.00	06/29/10

Prep Method: SW-846 3510C-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10F0700-01 [MW-5]	B015589	1000	1.00	06/30/10
10F0700-02 [MW-6]	B015589	1000	1.00	06/30/10
10F0700-03 [Dup-1]	B015589	1000	1.00	06/30/10
10F0700-04 [MW-2]	B015589	1000	1.00	06/30/10

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015529 - SW-846 5030B										
Blank (B015529-BLK1)				Prepared & Analyzed: 06/29/10						
Acetone	ND	50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							V-05
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015529 - SW-846 5030B
Blank (B015529-BLK1)

Prepared & Analyzed: 06/29/10

n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.2		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	24.1		µg/L	25.0		96.6	70-130			

LCS (B015529-BS1)

Prepared & Analyzed: 06/29/10

Acetone	151	50	µg/L	100		151	70-160			†
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130			
Benzene	9.96	1.0	µg/L	10.0		99.6	70-130			
Bromobenzene	10.4	1.0	µg/L	10.0		104	70-130			
Bromochloromethane	9.66	1.0	µg/L	10.0		96.6	70-130			
Bromodichloromethane	11.1	1.0	µg/L	10.0		111	70-130			
Bromoform	13.2	1.0	µg/L	10.0		132	* 70-130			L-02, V-06
Bromomethane	6.36	2.0	µg/L	10.0		63.6	40-160			†
2-Butanone (MEK)	120	20	µg/L	100		120	40-160			†
n-Butylbenzene	11.9	1.0	µg/L	10.0		119	70-130			
sec-Butylbenzene	11.8	1.0	µg/L	10.0		118	70-130			
tert-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
tert-Butyl Ethyl Ether (TBEE)	12.0	0.50	µg/L	10.0		120	70-130			
Carbon Disulfide	12.9	4.0	µg/L	10.0		129	70-130			
Carbon Tetrachloride	13.9	1.0	µg/L	10.0		139	* 70-130			L-02
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130			
Chlorodibromomethane	12.2	0.50	µg/L	10.0		122	70-130			
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130			
Chloroform	10.7	2.0	µg/L	10.0		107	70-130			
Chloromethane	8.79	2.0	µg/L	10.0		87.9	40-160			V-05 †
2-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130			
4-Chlorotoluene	11.3	1.0	µg/L	10.0		113	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	12.2	10	µg/L	10.0		122	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130			
Dibromomethane	9.91	1.0	µg/L	10.0		99.1	70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130			
1,3-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015529 - SW-846 5030B										
LCS (B015529-BS1)				Prepared & Analyzed: 06/29/10						
Dichlorodifluoromethane (Freon 12)	9.43	2.0	µg/L	10.0		94.3	40-160			V-05 †
1,1-Dichloroethane	9.99	1.0	µg/L	10.0		99.9	70-130			
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130			
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130			
trans-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130			
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	70-130			
1,3-Dichloropropane	9.76	0.50	µg/L	10.0		97.6	70-130			
2,2-Dichloropropane	16.8	1.0	µg/L	10.0		168 *	40-130			L-02, V-06 †
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130			
cis-1,3-Dichloropropene	11.3	0.50	µg/L	10.0		113	70-130			
trans-1,3-Dichloropropene	16.8	0.50	µg/L	10.0		168 *	70-130			L-02, V-06
Diethyl Ether	10.8	2.0	µg/L	10.0		108	70-130			
Diisopropyl Ether (DIPE)	10.9	0.50	µg/L	10.0		109	70-130			
1,4-Dioxane	87.8	50	µg/L	100		87.8	40-130			V-16 †
Ethylbenzene	11.0	1.0	µg/L	10.0		110	70-130			
Hexachlorobutadiene	11.7	0.50	µg/L	10.0		117	70-130			
2-Hexanone (MBK)	117	10	µg/L	100		117	70-160			†
Isopropylbenzene (Cumene)	12.8	1.0	µg/L	10.0		128	70-130			
p-Isopropyltoluene (p-Cymene)	11.8	1.0	µg/L	10.0		118	70-130			
Methyl tert-Butyl Ether (MTBE)	10.0	1.0	µg/L	10.0		100	70-130			
Methylene Chloride	10.2	5.0	µg/L	10.0		102	70-130			
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160			†
Naphthalene	9.35	2.0	µg/L	10.0		93.5	40-130			†
n-Propylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
Styrene	10.8	1.0	µg/L	10.0		108	70-130			
1,1,1,2-Tetrachloroethane	14.0	1.0	µg/L	10.0		140 *	70-130			L-02, V-06
1,1,2,2-Tetrachloroethane	9.60	0.50	µg/L	10.0		96.0	70-130			
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130			
Tetrahydrofuran	9.01	10	µg/L	10.0		90.1	70-130			
Toluene	10.7	1.0	µg/L	10.0		107	70-130			
1,2,3-Trichlorobenzene	10.7	5.0	µg/L	10.0		107	70-130			
1,2,4-Trichlorobenzene	11.6	1.0	µg/L	10.0		116	70-130			
1,1,1-Trichloroethane	12.3	1.0	µg/L	10.0		123	70-130			
1,1,2-Trichloroethane	9.50	1.0	µg/L	10.0		95.0	70-130			
Trichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.0		123	70-130			
1,2,3-Trichloropropane	8.52	2.0	µg/L	10.0		85.2	70-130			
1,2,4-Trimethylbenzene	11.5	1.0	µg/L	10.0		115	70-130			
1,3,5-Trimethylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
Vinyl Chloride	9.92	2.0	µg/L	10.0		99.2	40-160			†
m+p Xylene	22.4	2.0	µg/L	20.0		112	70-130			
o-Xylene	10.9	1.0	µg/L	10.0		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.6		µg/L	25.0		98.4	70-130			
Surrogate: Toluene-d8	24.5		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.3	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015529 - SW-846 5030B										
LCS Dup (B015529-BSD1)				Prepared & Analyzed: 06/29/10						
Acetone	141	50	µg/L	100		141	70-160	7.15	25	†
tert-Amyl Methyl Ether (TAME)	11.0	0.50	µg/L	10.0		110	70-130	0.637	25	
Benzene	10.2	1.0	µg/L	10.0		102	70-130	1.89	25	
Bromobenzene	10.7	1.0	µg/L	10.0		107	70-130	2.76	25	
Bromochloromethane	9.43	1.0	µg/L	10.0		94.3	70-130	2.41	25	
Bromodichloromethane	11.2	1.0	µg/L	10.0		112	70-130	0.806	25	
Bromoform	13.7	1.0	µg/L	10.0		137 *	70-130	4.24	25	L-02, V-06
Bromomethane	6.54	2.0	µg/L	10.0		65.4	40-160	2.79	25	†
2-Butanone (MEK)	113	20	µg/L	100		113	40-160	6.08	25	†
n-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130	1.61	25	
sec-Butylbenzene	11.8	1.0	µg/L	10.0		118	70-130	0.00	25	
tert-Butylbenzene	11.4	1.0	µg/L	10.0		114	70-130	0.262	25	
tert-Butyl Ethyl Ether (TBEE)	11.6	0.50	µg/L	10.0		116	70-130	2.88	25	
Carbon Disulfide	11.8	4.0	µg/L	10.0		118	70-130	8.34	25	
Carbon Tetrachloride	13.6	1.0	µg/L	10.0		136 *	70-130	1.97	25	L-02
Chlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	0.0944	25	
Chlorodibromomethane	12.3	0.50	µg/L	10.0		123	70-130	0.897	25	
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130	0.371	25	
Chloroform	10.9	2.0	µg/L	10.0		109	70-130	2.41	25	
Chloromethane	8.44	2.0	µg/L	10.0		84.4	40-160	4.06	25	V-05 †
2-Chlorotoluene	11.2	1.0	µg/L	10.0		112	70-130	1.35	25	
4-Chlorotoluene	11.4	1.0	µg/L	10.0		114	70-130	0.793	25	
1,2-Dibromo-3-chloropropane (DBCP)	11.8	10	µg/L	10.0		118	70-130	3.17	25	
1,2-Dibromoethane (EDB)	10.4	0.50	µg/L	10.0		104	70-130	2.95	25	
Dibromomethane	9.83	1.0	µg/L	10.0		98.3	70-130	0.811	25	
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130	2.06	25	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	2.07	25	
1,4-Dichlorobenzene	11.0	1.0	µg/L	10.0		110	70-130	0.0905	25	
Dichlorodifluoromethane (Freon 12)	8.77	2.0	µg/L	10.0		87.7	40-160	7.25	25	V-05 †
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101	70-130	1.29	25	
1,2-Dichloroethane	10.9	1.0	µg/L	10.0		109	70-130	0.551	25	
1,1-Dichloroethylene	11.2	1.0	µg/L	10.0		112	70-130	0.358	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	0.367	25	
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	2.88	25	
1,2-Dichloropropane	9.87	1.0	µg/L	10.0		98.7	70-130	1.51	25	
1,3-Dichloropropane	9.69	0.50	µg/L	10.0		96.9	70-130	0.720	25	
2,2-Dichloropropane	16.8	1.0	µg/L	10.0		168 *	40-130	0.119	25	L-02, V-06 †
1,1-Dichloropropene	10.2	2.0	µg/L	10.0		102	70-130	0.293	25	
cis-1,3-Dichloropropene	11.1	0.50	µg/L	10.0		111	70-130	1.34	25	
trans-1,3-Dichloropropene	16.4	0.50	µg/L	10.0		164 *	70-130	1.87	25	L-02, V-06
Diethyl Ether	11.0	2.0	µg/L	10.0		110	70-130	2.66	25	
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110	70-130	1.37	25	
1,4-Dioxane	93.7	50	µg/L	100		93.7	40-130	6.50	50	V-16 † ‡
Ethylbenzene	11.1	1.0	µg/L	10.0		111	70-130	1.27	25	
Hexachlorobutadiene	11.4	0.50	µg/L	10.0		114	70-130	2.60	25	
2-Hexanone (MBK)	111	10	µg/L	100		111	70-160	5.21	25	†
Isopropylbenzene (Cumene)	13.0	1.0	µg/L	10.0		130	70-130	1.16	25	
p-Isopropyltoluene (p-Cymene)	11.7	1.0	µg/L	10.0		117	70-130	0.681	25	
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	0.497	25	
Methylene Chloride	10.4	5.0	µg/L	10.0		104	70-130	1.17	25	
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101	70-160	0.436	25	†
Naphthalene	9.25	2.0	µg/L	10.0		92.5	40-130	1.08	25	†

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015529 - SW-846 5030B										
LCS Dup (B015529-BSD1)				Prepared & Analyzed: 06/29/10						
n-Propylbenzene	11.5	1.0	µg/L	10.0		115	70-130	0.960	25	
Styrene	10.8	1.0	µg/L	10.0		108	70-130	0.741	25	
1,1,1,2-Tetrachloroethane	13.9	1.0	µg/L	10.0		139	* 70-130	0.859	25	L-02, V-06
1,1,2,2-Tetrachloroethane	9.69	0.50	µg/L	10.0		96.9	70-130	0.933	25	
Tetrachloroethylene	11.3	1.0	µg/L	10.0		113	70-130	0.0882	25	
Tetrahydrofuran	8.77	10	µg/L	10.0		87.7	70-130	2.70	25	
Toluene	10.8	1.0	µg/L	10.0		108	70-130	0.465	25	
1,2,3-Trichlorobenzene	10.6	5.0	µg/L	10.0		106	70-130	0.842	25	
1,2,4-Trichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130	1.91	25	
1,1,1-Trichloroethane	12.2	1.0	µg/L	10.0		122	70-130	0.981	25	
1,1,2-Trichloroethane	9.66	1.0	µg/L	10.0		96.6	70-130	1.67	25	
Trichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	1.22	25	
Trichlorofluoromethane (Freon 11)	12.3	2.0	µg/L	10.0		123	70-130	0.0815	25	
1,2,3-Trichloropropane	8.37	2.0	µg/L	10.0		83.7	70-130	1.78	25	
1,2,4-Trimethylbenzene	11.4	1.0	µg/L	10.0		114	70-130	0.876	25	
1,3,5-Trimethylbenzene	11.6	1.0	µg/L	10.0		116	70-130	1.31	25	
Vinyl Chloride	9.64	2.0	µg/L	10.0		96.4	40-160	2.86	25	†
m+p Xylene	22.5	2.0	µg/L	20.0		113	70-130	0.624	25	
o-Xylene	11.0	1.0	µg/L	10.0		110	70-130	0.914	25	
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.0	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.3	70-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015589 - SW-846 3510C										
Blank (B015589-BLK1)				Prepared: 06/30/10 Analyzed: 07/01/10						
Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							V-06
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-06
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							V-06
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015589 - SW-846 3510C
Blank (B015589-BLK1)

Prepared: 06/30/10 Analyzed: 07/01/10

Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	181		µg/L	200		90.5	15-110			
Surrogate: Phenol-d6	186		µg/L	200		93.0	15-110			
Surrogate: Nitrobenzene-d5	86.0		µg/L	100		86.0	30-130			
Surrogate: 2-Fluorobiphenyl	81.3		µg/L	100		81.3	30-130			
Surrogate: 2,4,6-Tribromophenol	166		µg/L	200		83.1	15-110			
Surrogate: Terphenyl-d14	84.0		µg/L	100		84.0	30-130			

LCS (B015589-BS1)

Prepared: 06/30/10 Analyzed: 07/01/10

Acenaphthene	59.2	5.0	µg/L	100		59.2	40-140			
Acenaphthylene	59.3	5.0	µg/L	100		59.3	40-140			
Acetophenone	31.7	10	µg/L	50.0		63.3	40-140			
Aniline	64.0	5.0	µg/L	100		64.0	40-140			
Anthracene	60.7	5.0	µg/L	100		60.7	40-140			
Benzo(a)anthracene	62.8	5.0	µg/L	100		62.8	40-140			
Benzo(a)pyrene	61.5	5.0	µg/L	100		61.5	40-140			
Benzo(b)fluoranthene	57.2	5.0	µg/L	100		57.2	40-140			
Benzo(g,h,i)perylene	64.0	5.0	µg/L	100		64.0	40-140			
Benzo(k)fluoranthene	61.2	5.0	µg/L	100		61.2	40-140			
Bis(2-chloroethoxy)methane	75.4	10	µg/L	100		75.4	40-140			
Bis(2-chloroethyl)ether	67.2	10	µg/L	100		67.2	40-140			
Bis(2-chloroisopropyl)ether	58.7	10	µg/L	100		58.7	40-140			
Bis(2-Ethylhexyl)phthalate	94.1	10	µg/L	100		94.1	40-140			V-06
4-Bromophenylphenylether	68.9	10	µg/L	100		68.9	40-140			
Butylbenzylphthalate	93.5	10	µg/L	100		93.5	40-140			
4-Chloroaniline	67.6	10	µg/L	100		67.6	40-140			
2-Chloronaphthalene	66.4	10	µg/L	100		66.4	40-140			
2-Chlorophenol	69.0	10	µg/L	100		69.0	30-130			
Chrysene	61.0	5.0	µg/L	100		61.0	40-140			
Dibenz(a,h)anthracene	60.4	5.0	µg/L	100		60.4	40-140			
Dibenzofuran	77.3	5.0	µg/L	100		77.3	40-140			
Di-n-butylphthalate	86.6	10	µg/L	100		86.6	40-140			
1,2-Dichlorobenzene	66.4	5.0	µg/L	100		66.4	40-140			
1,3-Dichlorobenzene	65.0	5.0	µg/L	100		65.0	40-140			
1,4-Dichlorobenzene	64.1	5.0	µg/L	100		64.1	40-140			
3,3-Dichlorobenzidine	76.7	10	µg/L	100		76.7	40-140			
2,4-Dichlorophenol	78.0	10	µg/L	100		78.0	30-130			
Diethylphthalate	82.5	10	µg/L	100		82.5	40-140			
2,4-Dimethylphenol	74.2	10	µg/L	100		74.2	30-130			
Dimethylphthalate	75.9	10	µg/L	100		75.9	40-140			
2,4-Dinitrophenol	122	10	µg/L	100		122	30-130			V-06
2,4-Dinitrotoluene	102	10	µg/L	100		102	40-140			
2,6-Dinitrotoluene	90.7	10	µg/L	100		90.7	40-140			
Di-n-octylphthalate	93.6	10	µg/L	100		93.6	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	72.9	10	µg/L	100		72.9	40-140			
Fluoranthene	61.5	5.0	µg/L	100		61.5	40-140			
Fluorene	61.5	5.0	µg/L	100		61.5	40-140			
Hexachlorobenzene	72.7	10	µg/L	100		72.7	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015589 - SW-846 3510C
LCS (B015589-BS1)

Prepared: 06/30/10 Analyzed: 07/01/10

Hexachlorobutadiene	73.9	10	µg/L	100		73.9	40-140			
Hexachloroethane	70.7	10	µg/L	100		70.7	40-140			
Indeno(1,2,3-cd)pyrene	63.0	5.0	µg/L	100		63.0	40-140			
Isophorone	77.7	10	µg/L	100		77.7	40-140			
2-Methylnaphthalene	70.4	5.0	µg/L	100		70.4	40-140			
2-Methylphenol	61.1	10	µg/L	100		61.1	30-130			
3/4-Methylphenol	61.7	10	µg/L	100		61.7	30-130			
Naphthalene	56.9	5.0	µg/L	100		56.9	40-140			
Nitrobenzene	73.7	10	µg/L	100		73.7	40-140			
2-Nitrophenol	80.6	10	µg/L	100		80.6	30-130			
4-Nitrophenol	103	10	µg/L	100		103	10-130			V-06 †
Pentachlorophenol	60.4	10	µg/L	100		60.4	30-130			
Phenanthrene	59.4	5.0	µg/L	100		59.4	40-140			
Phenol	72.1	10	µg/L	100		72.1	20-130			†
Pyrene	72.0	5.0	µg/L	100		72.0	40-140			
1,2,4-Trichlorobenzene	73.6	5.0	µg/L	100		73.6	40-140			
2,4,5-Trichlorophenol	76.7	10	µg/L	100		76.7	30-130			
2,4,6-Trichlorophenol	81.3	10	µg/L	100		81.3	30-130			
Surrogate: 2-Fluorophenol	142		µg/L	200		71.1	15-110			
Surrogate: Phenol-d6	141		µg/L	200		70.5	15-110			
Surrogate: Nitrobenzene-d5	81.1		µg/L	100		81.1	30-130			
Surrogate: 2-Fluorobiphenyl	77.5		µg/L	100		77.5	30-130			
Surrogate: 2,4,6-Tribromophenol	201		µg/L	200		101	15-110			
Surrogate: Terphenyl-d14	99.8		µg/L	100		99.8	30-130			

LCS Dup (B015589-BSD1)

Prepared: 06/30/10 Analyzed: 07/01/10

Acenaphthene	61.5	5.0	µg/L	100		61.5	40-140	3.86	20	
Acenaphthylene	62.0	5.0	µg/L	100		62.0	40-140	4.45	20	
Acetophenone	34.1	10	µg/L	50.0		68.1	40-140	7.33	20	
Aniline	67.7	5.0	µg/L	100		67.7	40-140	5.54	50	‡
Anthracene	63.2	5.0	µg/L	100		63.2	40-140	3.99	20	
Benzo(a)anthracene	65.2	5.0	µg/L	100		65.2	40-140	3.81	20	
Benzo(a)pyrene	63.2	5.0	µg/L	100		63.2	40-140	2.63	20	
Benzo(b)fluoranthene	60.4	5.0	µg/L	100		60.4	40-140	5.37	20	
Benzo(g,h,i)perylene	62.0	5.0	µg/L	100		62.0	40-140	3.22	20	
Benzo(k)fluoranthene	64.1	5.0	µg/L	100		64.1	40-140	4.52	20	
Bis(2-chloroethoxy)methane	80.6	10	µg/L	100		80.6	40-140	6.66	20	
Bis(2-chloroethyl)ether	76.1	10	µg/L	100		76.1	40-140	12.4	20	
Bis(2-chloroisopropyl)ether	62.8	10	µg/L	100		62.8	40-140	6.82	20	
Bis(2-Ethylhexyl)phthalate	98.1	10	µg/L	100		98.1	40-140	4.22	20	V-06
4-Bromophenylphenylether	77.8	10	µg/L	100		77.8	40-140	12.1	20	
Butylbenzylphthalate	93.6	10	µg/L	100		93.6	40-140	0.139	20	
4-Chloroaniline	70.4	10	µg/L	100		70.4	40-140	4.00	20	
2-Chloronaphthalene	72.0	10	µg/L	100		72.0	40-140	8.10	20	
2-Chlorophenol	75.1	10	µg/L	100		75.1	30-130	8.46	20	
Chrysene	63.2	5.0	µg/L	100		63.2	40-140	3.56	20	
Dibenz(a,h)anthracene	58.5	5.0	µg/L	100		58.5	40-140	3.15	20	
Dibenzofuran	77.6	5.0	µg/L	100		77.6	40-140	0.491	20	
Di-n-butylphthalate	90.8	10	µg/L	100		90.8	40-140	4.66	20	
1,2-Dichlorobenzene	70.7	5.0	µg/L	100		70.7	40-140	6.33	20	
1,3-Dichlorobenzene	68.0	5.0	µg/L	100		68.0	40-140	4.59	20	
1,4-Dichlorobenzene	66.9	5.0	µg/L	100		66.9	40-140	4.29	20	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015589 - SW-846 3510C
LCS Dup (B015589-BSD1)

Prepared: 06/30/10 Analyzed: 07/01/10

3,3-Dichlorobenzidine	81.7	10	µg/L	100		81.7	40-140	6.29	20	
2,4-Dichlorophenol	81.9	10	µg/L	100		81.9	30-130	4.84	20	
Diethylphthalate	73.2	10	µg/L	100		73.2	40-140	11.9	20	
2,4-Dimethylphenol	78.1	10	µg/L	100		78.1	30-130	5.16	20	
Dimethylphthalate	73.3	10	µg/L	100		73.3	40-140	3.51	50	‡
2,4-Dinitrophenol	109	10	µg/L	100		109	30-130	11.8	50	V-06 ‡
2,4-Dinitrotoluene	89.1	10	µg/L	100		89.1	40-140	13.7	20	
2,6-Dinitrotoluene	86.3	10	µg/L	100		86.3	40-140	4.94	20	
Di-n-octylphthalate	103	10	µg/L	100		103	40-140	9.93	20	
1,2-Diphenylhydrazine (as Azobenzene)	85.0	10	µg/L	100		85.0	40-140	15.4	20	
Fluoranthene	68.0	5.0	µg/L	100		68.0	40-140	10.0	20	
Fluorene	59.8	5.0	µg/L	100		59.8	40-140	2.84	20	
Hexachlorobenzene	78.4	10	µg/L	100		78.4	40-140	7.53	20	
Hexachlorobutadiene	78.3	10	µg/L	100		78.3	40-140	5.77	20	
Hexachloroethane	74.7	10	µg/L	100		74.7	40-140	5.50	50	‡
Indeno(1,2,3-cd)pyrene	61.2	5.0	µg/L	100		61.2	40-140	2.74	50	‡
Isophorone	82.5	10	µg/L	100		82.5	40-140	5.99	20	
2-Methylnaphthalene	72.7	5.0	µg/L	100		72.7	40-140	3.17	20	
2-Methylphenol	66.5	10	µg/L	100		66.5	30-130	8.50	20	
3/4-Methylphenol	66.4	10	µg/L	100		66.4	30-130	7.34	20	
Naphthalene	59.4	5.0	µg/L	100		59.4	40-140	4.37	20	
Nitrobenzene	78.0	10	µg/L	100		78.0	40-140	5.73	20	
2-Nitrophenol	86.0	10	µg/L	100		86.0	30-130	6.37	20	
4-Nitrophenol	88.1	10	µg/L	100		88.1	10-130	15.6	50	V-06 † ‡
Pentachlorophenol	61.1	10	µg/L	100		61.1	30-130	1.20	50	‡
Phenanthrene	62.1	5.0	µg/L	100		62.1	40-140	4.45	20	
Phenol	76.5	10	µg/L	100		76.5	20-130	5.98	20	†
Pyrene	62.1	5.0	µg/L	100		62.1	40-140	14.8	20	
1,2,4-Trichlorobenzene	77.8	5.0	µg/L	100		77.8	40-140	5.44	20	
2,4,5-Trichlorophenol	80.6	10	µg/L	100		80.6	30-130	4.96	20	
2,4,6-Trichlorophenol	87.7	10	µg/L	100		87.7	30-130	7.56	50	‡
Surrogate: 2-Fluorophenol	145		µg/L	200		72.4	15-110			
Surrogate: Phenol-d6	143		µg/L	200		71.4	15-110			
Surrogate: Nitrobenzene-d5	77.8		µg/L	100		77.8	30-130			
Surrogate: 2-Fluorobiphenyl	82.1		µg/L	100		82.1	30-130			
Surrogate: 2,4,6-Tribromophenol	173		µg/L	200		86.4	15-110			
Surrogate: Terphenyl-d14	84.5		µg/L	100		84.5	30-130			

Matrix Spike (B015589-MS1)
Source: 10F0700-04

Prepared: 06/30/10 Analyzed: 07/01/10

Acenaphthene	60.5	5.0	µg/L	100	ND	60.5	40-140			
Acenaphthylene	60.4	5.0	µg/L	100	ND	60.4	40-140			
Acetophenone	32.8	10	µg/L	50.0	ND	65.7	40-140			
Aniline	49.2	5.0	µg/L	100	ND	49.2	40-140			
Anthracene	65.1	5.0	µg/L	100	ND	65.1	40-140			
Benzo(a)anthracene	66.2	5.0	µg/L	100	ND	66.2	40-140			
Benzo(a)pyrene	67.2	5.0	µg/L	100	ND	67.2	40-140			
Benzo(b)fluoranthene	62.5	5.0	µg/L	100	ND	62.5	40-140			
Benzo(g,h,i)perylene	64.8	5.0	µg/L	100	ND	64.8	40-140			
Benzo(k)fluoranthene	66.9	5.0	µg/L	100	ND	66.9	40-140			
Bis(2-chloroethoxy)methane	71.7	10	µg/L	100	ND	71.7	40-140			
Bis(2-chloroethyl)ether	68.7	10	µg/L	100	ND	68.7	40-140			
Bis(2-chloroisopropyl)ether	56.5	10	µg/L	100	ND	56.5	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015589 - SW-846 3510C										
Matrix Spike (B015589-MS1)	Source: 10F0700-04			Prepared: 06/30/10 Analyzed: 07/01/10						
Bis(2-Ethylhexyl)phthalate	92.9	10	µg/L	100	ND	92.9	40-140			V-06
4-Bromophenylphenylether	75.4	10	µg/L	100	ND	75.4	40-140			
Butylbenzylphthalate	90.1	10	µg/L	100	ND	90.1	40-140			
4-Chloroaniline	68.8	10	µg/L	100	ND	68.8	40-140			
2-Chloronaphthalene	64.7	10	µg/L	100	ND	64.7	40-140			
2-Chlorophenol	62.9	10	µg/L	100	ND	62.9	40-140			
Chrysene	65.6	5.0	µg/L	100	ND	65.6	40-140			
Dibenz(a,h)anthracene	60.4	5.0	µg/L	100	ND	60.4	40-140			
Dibenzofuran	79.8	5.0	µg/L	100	ND	79.8	40-140			
Di-n-butylphthalate	91.8	10	µg/L	100	ND	91.8	40-140			
1,2-Dichlorobenzene	59.2	5.0	µg/L	100	ND	59.2	40-140			
1,3-Dichlorobenzene	56.3	5.0	µg/L	100	ND	56.3	40-140			
1,4-Dichlorobenzene	56.1	5.0	µg/L	100	ND	56.1	40-140			
3,3-Dichlorobenzidine	90.1	10	µg/L	100	ND	90.1	40-140			
2,4-Dichlorophenol	76.0	10	µg/L	100	ND	76.0	40-140			
Diethylphthalate	85.6	10	µg/L	100	ND	85.6	40-140			
2,4-Dimethylphenol	70.7	10	µg/L	100	ND	70.7	40-140			
Dimethylphthalate	80.5	10	µg/L	100	ND	80.5	40-140			
2,4-Dinitrophenol	130	10	µg/L	100	ND	130	40-140			V-06
2,4-Dinitrotoluene	103	10	µg/L	100	ND	103	40-140			
2,6-Dinitrotoluene	94.5	10	µg/L	100	ND	94.5	40-140			
Di-n-octylphthalate	95.1	10	µg/L	100	ND	95.1	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	81.2	10	µg/L	100	ND	81.2	40-140			
Fluoranthene	68.2	5.0	µg/L	100	ND	68.2	40-140			
Fluorene	63.9	5.0	µg/L	100	ND	63.9	40-140			
Hexachlorobenzene	77.1	10	µg/L	100	ND	77.1	40-140			
Hexachlorobutadiene	62.3	10	µg/L	100	ND	62.3	40-140			
Hexachloroethane	58.0	10	µg/L	100	ND	58.0	40-140			
Indeno(1,2,3-cd)pyrene	62.8	5.0	µg/L	100	ND	62.8	40-140			
Isophorone	77.2	10	µg/L	100	ND	77.2	40-140			
2-Methylnaphthalene	68.4	5.0	µg/L	100	ND	68.4	40-140			
2-Methylphenol	51.4	10	µg/L	100	ND	51.4	40-140			
3/4-Methylphenol	49.4	10	µg/L	100	ND	49.4	40-140			
Naphthalene	53.4	5.0	µg/L	100	ND	53.4	40-140			
Nitrobenzene	72.2	10	µg/L	100	ND	72.2	40-140			
2-Nitrophenol	77.8	10	µg/L	100	ND	77.8	40-140			
4-Nitrophenol	57.0	10	µg/L	100	ND	57.0	40-140			V-06
Pentachlorophenol	68.0	10	µg/L	100	ND	68.0	40-140			
Phenanthrene	63.6	5.0	µg/L	100	ND	63.6	40-140			
Phenol	34.1	10	µg/L	100	ND	34.1	* 40-140			MS-09
Pyrene	62.7	5.0	µg/L	100	ND	62.7	40-140			
1,2,4-Trichlorobenzene	66.2	5.0	µg/L	100	ND	66.2	40-140			
2,4,5-Trichlorophenol	78.2	10	µg/L	100	ND	78.2	40-140			
2,4,6-Trichlorophenol	82.2	10	µg/L	100	ND	82.2	40-140			
Surrogate: 2-Fluorophenol	86.1		µg/L	200		43.0	15-110			
Surrogate: Phenol-d6	59.5		µg/L	200		29.8	15-110			
Surrogate: Nitrobenzene-d5	71.0		µg/L	100		71.0	30-130			
Surrogate: 2-Fluorobiphenyl	72.9		µg/L	100		72.9	30-130			
Surrogate: 2,4,6-Tribromophenol	200		µg/L	200		99.8	15-110			
Surrogate: Terphenyl-d14	78.0		µg/L	100		78.0	30-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015589 - SW-846 3510C										
Matrix Spike Dup (B015589-MSD1)	Source: 10F0700-04			Prepared: 06/30/10 Analyzed: 07/01/10						
Acenaphthene	59.9	5.0	µg/L	100	ND	59.9	40-140	0.947	30	
Acenaphthylene	61.1	5.0	µg/L	100	ND	61.1	40-140	1.27	30	
Acetophenone	31.1	10	µg/L	50.0	ND	62.2	40-140	5.47	30	
Aniline	45.4	5.0	µg/L	100	ND	45.4	40-140	8.07	30	
Anthracene	63.8	5.0	µg/L	100	ND	63.8	40-140	2.02	30	
Benzo(a)anthracene	64.1	5.0	µg/L	100	ND	64.1	40-140	3.16	30	
Benzo(a)pyrene	65.2	5.0	µg/L	100	ND	65.2	40-140	3.02	30	
Benzo(b)fluoranthene	58.7	5.0	µg/L	100	ND	58.7	40-140	6.22	30	
Benzo(g,h,i)perylene	66.0	5.0	µg/L	100	ND	66.0	40-140	1.99	30	
Benzo(k)fluoranthene	64.8	5.0	µg/L	100	ND	64.8	40-140	3.16	30	
Bis(2-chloroethoxy)methane	72.4	10	µg/L	100	ND	72.4	40-140	1.03	30	
Bis(2-chloroethyl)ether	69.0	10	µg/L	100	ND	69.0	40-140	0.479	30	
Bis(2-chloroisopropyl)ether	54.1	10	µg/L	100	ND	54.1	40-140	4.45	30	
Bis(2-Ethylhexyl)phthalate	89.8	10	µg/L	100	ND	89.8	40-140	3.37	30	V-06
4-Bromophenylphenylether	77.2	10	µg/L	100	ND	77.2	40-140	2.25	30	
Butylbenzylphthalate	87.3	10	µg/L	100	ND	87.3	40-140	3.13	30	
4-Chloroaniline	63.5	10	µg/L	100	ND	63.5	40-140	7.97	30	
2-Chloronaphthalene	68.4	10	µg/L	100	ND	68.4	40-140	5.49	30	
2-Chlorophenol	59.8	10	µg/L	100	ND	59.8	40-140	4.96	30	
Chrysene	63.4	5.0	µg/L	100	ND	63.4	40-140	3.53	30	
Dibenz(a,h)anthracene	62.3	5.0	µg/L	100	ND	62.3	40-140	3.00	30	
Dibenzofuran	78.1	5.0	µg/L	100	ND	78.1	40-140	2.25	30	
Di-n-butylphthalate	84.3	10	µg/L	100	ND	84.3	40-140	8.44	30	
1,2-Dichlorobenzene	54.8	5.0	µg/L	100	ND	54.8	40-140	7.84	30	
1,3-Dichlorobenzene	50.7	5.0	µg/L	100	ND	50.7	40-140	10.4	30	
1,4-Dichlorobenzene	50.9	5.0	µg/L	100	ND	50.9	40-140	9.77	30	
3,3-Dichlorobenzidine	86.8	10	µg/L	100	ND	86.8	40-140	3.70	30	
2,4-Dichlorophenol	71.1	10	µg/L	100	ND	71.1	40-140	6.70	30	
Diethylphthalate	79.2	10	µg/L	100	ND	79.2	40-140	7.79	30	
2,4-Dimethylphenol	67.4	10	µg/L	100	ND	67.4	40-140	4.85	30	
Dimethylphthalate	78.0	10	µg/L	100	ND	78.0	40-140	3.20	30	
2,4-Dinitrophenol	116	10	µg/L	100	ND	116	40-140	11.4	30	V-06
2,4-Dinitrotoluene	95.4	10	µg/L	100	ND	95.4	40-140	7.73	30	
2,6-Dinitrotoluene	90.9	10	µg/L	100	ND	90.9	40-140	3.86	30	
Di-n-octylphthalate	92.0	10	µg/L	100	ND	92.0	40-140	3.29	30	
1,2-Diphenylhydrazine (as Azobenzene)	84.4	10	µg/L	100	ND	84.4	40-140	3.85	30	
Fluoranthene	61.3	5.0	µg/L	100	ND	61.3	40-140	10.7	30	
Fluorene	61.6	5.0	µg/L	100	ND	61.6	40-140	3.62	30	
Hexachlorobenzene	78.1	10	µg/L	100	ND	78.1	40-140	1.34	30	
Hexachlorobutadiene	59.0	10	µg/L	100	ND	59.0	40-140	5.44	30	
Hexachloroethane	51.2	10	µg/L	100	ND	51.2	40-140	12.4	30	
Indeno(1,2,3-cd)pyrene	63.4	5.0	µg/L	100	ND	63.4	40-140	0.919	30	
Isophorone	75.3	10	µg/L	100	ND	75.3	40-140	2.51	30	
2-Methylnaphthalene	63.5	5.0	µg/L	100	ND	63.5	40-140	7.37	30	
2-Methylphenol	46.1	10	µg/L	100	ND	46.1	40-140	11.0	30	
3/4-Methylphenol	46.8	10	µg/L	100	ND	46.8	40-140	5.24	30	
Naphthalene	52.1	5.0	µg/L	100	ND	52.1	40-140	2.44	30	
Nitrobenzene	68.1	10	µg/L	100	ND	68.1	40-140	5.83	30	
2-Nitrophenol	79.8	10	µg/L	100	ND	79.8	40-140	2.55	30	
4-Nitrophenol	50.7	10	µg/L	100	ND	50.7	40-140	11.6	30	V-06
Pentachlorophenol	60.4	10	µg/L	100	ND	60.4	40-140	11.8	30	
Phenanthrene	63.0	5.0	µg/L	100	ND	63.0	40-140	0.853	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015589 - SW-846 3510C
Matrix Spike Dup (B015589-MSD1)
Source: 10F0700-04

Prepared: 06/30/10 Analyzed: 07/01/10

Phenol	32.0	10	µg/L	100	ND	32.0	*	40-140	6.33	30	MS-09
Pyrene	61.7	5.0	µg/L	100	ND	61.7		40-140	1.64	30	
1,2,4-Trichlorobenzene	64.3	5.0	µg/L	100	ND	64.3		40-140	3.00	30	
2,4,5-Trichlorophenol	73.3	10	µg/L	100	ND	73.3		40-140	6.44	30	
2,4,6-Trichlorophenol	82.5	10	µg/L	100	ND	82.5		40-140	0.377	30	
Surrogate: 2-Fluorophenol	82.0		µg/L	200		41.0		15-110			
Surrogate: Phenol-d6	54.0		µg/L	200		27.0		15-110			
Surrogate: Nitrobenzene-d5	77.5		µg/L	100		77.5		30-130			
Surrogate: 2-Fluorobiphenyl	79.4		µg/L	100		79.4		30-130			
Surrogate: 2,4,6-Tribromophenol	183		µg/L	200		91.6		15-110			
Surrogate: Terphenyl-d14	76.8		µg/L	100		76.8		30-130			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015499 - SW-846 3510C
Blank (B015499-BLK1)

Prepared: 06/28/10 Analyzed: 06/30/10

C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Acenaphthylene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Benzo(a)anthracene	ND	2.0	µg/L							
Benzo(a)pyrene	ND	2.0	µg/L							
Benzo(b)fluoranthene	ND	2.0	µg/L							
Benzo(g,h,i)perylene	ND	2.0	µg/L							
Benzo(k)fluoranthene	ND	2.0	µg/L							
Chrysene	ND	2.0	µg/L							
Dibenz(a,h)anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Phenanthrene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	96.5		µg/L	100		96.5	40-140			
Surrogate: o-Terphenyl (OTP)	99.6		µg/L	100		99.6	40-140			
Surrogate: 2-Bromonaphthalene	110		µg/L	100		110	40-140			
Surrogate: 2-Fluorobiphenyl	108		µg/L	100		108	40-140			

LCS (B015499-BS1)

Prepared: 06/28/10 Analyzed: 06/30/10

C9-C18 Aliphatics	587	100	µg/L	600		97.8	40-140			
C19-C36 Aliphatics	943	100	µg/L	800		118	40-140			
Unadjusted C11-C22 Aromatics	1720	100	µg/L	1700		101	40-140			
Acenaphthene	91.6	2.0	µg/L	100		91.6	40-140			
Acenaphthylene	93.5	2.0	µg/L	100		93.5	40-140			
Anthracene	98.0	2.0	µg/L	100		98.0	40-140			
Benzo(a)anthracene	105	2.0	µg/L	100		105	40-140			
Benzo(a)pyrene	98.4	2.0	µg/L	100		98.4	40-140			
Benzo(b)fluoranthene	104	2.0	µg/L	100		104	40-140			
Benzo(g,h,i)perylene	101	2.0	µg/L	100		101	40-140			
Benzo(k)fluoranthene	102	2.0	µg/L	100		102	40-140			
Chrysene	99.5	2.0	µg/L	100		99.5	40-140			
Dibenz(a,h)anthracene	100	2.0	µg/L	100		100	40-140			
Fluoranthene	98.3	2.0	µg/L	100		98.3	40-140			
Fluorene	94.4	2.0	µg/L	100		94.4	40-140			
Indeno(1,2,3-cd)pyrene	99.3	2.0	µg/L	100		99.3	40-140			
2-Methylnaphthalene	91.0	2.0	µg/L	100		91.0	40-140			
Naphthalene	84.8	2.0	µg/L	100		84.8	40-140			
Phenanthrene	97.4	2.0	µg/L	100		97.4	40-140			
Pyrene	102	2.0	µg/L	100		102	40-140			
n-Nonane	63.2	2.0	µg/L	100		63.2	30-140			
Naphthalene-aliphatic fraction	0.00		µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	2.01		µg/L	100		2.01	0-5			
Surrogate: Chlorooctadecane (COD)	92.4		µg/L	100		92.4	40-140			
Surrogate: o-Terphenyl (OTP)	93.4		µg/L	100		93.4	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015499 - SW-846 3510C
LCS (B015499-BS1)

Prepared: 06/28/10 Analyzed: 06/30/10

Surrogate: 2-Bromonaphthalene	104		µg/L	100		104	40-140			
Surrogate: 2-Fluorobiphenyl	102		µg/L	100		102	40-140			

LCS Dup (B015499-BSD1)

Prepared: 06/28/10 Analyzed: 06/30/10

C9-C18 Aliphatics	606	100	µg/L	600		101	40-140	3.29	25	
C19-C36 Aliphatics	970	100	µg/L	800		121	40-140	2.83	25	
Unadjusted C11-C22 Aromatics	1730	100	µg/L	1700		102	40-140	0.699	25	
Acenaphthene	90.5	2.0	µg/L	100		90.5	40-140	1.18	25	
Acenaphthylene	92.4	2.0	µg/L	100		92.4	40-140	1.14	25	
Anthracene	97.0	2.0	µg/L	100		97.0	40-140	1.04	25	
Benzo(a)anthracene	103	2.0	µg/L	100		103	40-140	1.39	25	
Benzo(a)pyrene	97.3	2.0	µg/L	100		97.3	40-140	1.19	25	
Benzo(b)fluoranthene	102	2.0	µg/L	100		102	40-140	1.58	25	
Benzo(g,h,i)perylene	99.8	2.0	µg/L	100		99.8	40-140	1.57	25	
Benzo(k)fluoranthene	101	2.0	µg/L	100		101	40-140	1.14	25	
Chrysene	98.2	2.0	µg/L	100		98.2	40-140	1.32	25	
Dibenz(a,h)anthracene	98.9	2.0	µg/L	100		98.9	40-140	1.52	25	
Fluoranthene	96.8	2.0	µg/L	100		96.8	40-140	1.51	25	
Fluorene	93.5	2.0	µg/L	100		93.5	40-140	0.922	25	
Indeno(1,2,3-cd)pyrene	97.9	2.0	µg/L	100		97.9	40-140	1.46	25	
2-Methylnaphthalene	89.3	2.0	µg/L	100		89.3	40-140	1.84	25	
Naphthalene	83.7	2.0	µg/L	100		83.7	40-140	1.37	25	
Phenanthrene	96.3	2.0	µg/L	100		96.3	40-140	1.12	25	
Pyrene	100	2.0	µg/L	100		100	40-140	1.53	25	
n-Nonane	63.2	2.0	µg/L	100		63.2	30-140	0.0380	25	
Naphthalene-aliphatic fraction	0.00		µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	2.28		µg/L	100		2.28	0-5			
Surrogate: Chlorooctadecane (COD)	96.8		µg/L	100		96.8	40-140			
Surrogate: o-Terphenyl (OTP)	93.5		µg/L	100		93.5	40-140			
Surrogate: 2-Bromonaphthalene	102		µg/L	100		102	40-140			
Surrogate: 2-Fluorobiphenyl	101		µg/L	100		101	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015368 - MA VPH
Blank (B015368-BLK1)

Prepared & Analyzed: 06/25/10

Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Butylcyclohexane	ND	1.0	µg/L							
Decane	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
2-Methylpentane	ND	1.0	µg/L							
Naphthalene	ND	10	µg/L							
Nonane	ND	1.0	µg/L							
Pentane	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
2,2,4-Trimethylpentane	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	45.0		µg/L	40.0		112	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	43.2		µg/L	40.0		108	70-130			

LCS (B015368-BS1)

Prepared & Analyzed: 06/25/10

Benzene	106	1.0	µg/L	100		106	70-130			
Butylcyclohexane	78.5	1.0	µg/L	100		78.5	70-130			
Decane	85.8	1.0	µg/L	100		85.8	70-130			
Ethylbenzene	96.1	1.0	µg/L	100		96.1	70-130			
Methyl tert-Butyl Ether (MTBE)	110	1.0	µg/L	100		110	70-130			
2-Methylpentane	93.9	1.0	µg/L	100		93.9	70-130			
Naphthalene	85.9	2.0	µg/L	100		85.9	70-130			
Nonane	82.1	1.0	µg/L	100		82.1	70-130			
Pentane	102	1.0	µg/L	100		102	70-130			
Toluene	103	1.0	µg/L	100		103	70-130			
1,2,4-Trimethylbenzene	86.1	1.0	µg/L	100		86.1	70-130			
2,2,4-Trimethylpentane	87.2	1.0	µg/L	100		87.2	70-130			
m+p Xylene	191	2.0	µg/L	200		95.4	70-130			
o-Xylene	97.3	1.0	µg/L	100		97.3	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	51.2		µg/L	40.0		128	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	51.8		µg/L	40.0		129	70-130			

LCS Dup (B015368-BSD1)

Prepared & Analyzed: 06/25/10

Benzene	105	1.0	µg/L	100		105	70-130	1.28	25	
Butylcyclohexane	79.5	1.0	µg/L	100		79.5	70-130	1.32	25	
Decane	86.8	1.0	µg/L	100		86.8	70-130	1.15	25	
Ethylbenzene	95.4	1.0	µg/L	100		95.4	70-130	0.689	25	
Methyl tert-Butyl Ether (MTBE)	108	1.0	µg/L	100		108	70-130	1.88	25	
2-Methylpentane	93.1	1.0	µg/L	100		93.1	70-130	0.889	25	
Naphthalene	97.0	2.0	µg/L	100		97.0	70-130	12.2	25	
Nonane	85.3	1.0	µg/L	100		85.3	70-130	3.87	25	
Pentane	101	1.0	µg/L	100		101	70-130	0.544	25	
Toluene	102	1.0	µg/L	100		102	70-130	0.862	25	
1,2,4-Trimethylbenzene	86.0	1.0	µg/L	100		86.0	70-130	0.0860	25	

QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015368 - MA VPH

LCS Dup (B015368-BSD1)

Prepared & Analyzed: 06/25/10

2,2,4-Trimethylpentane	87.3	1.0	µg/L	100		87.3	70-130	0.178	25	
m+p Xylene	189	2.0	µg/L	200		94.7	70-130	0.653	25	
o-Xylene	96.7	1.0	µg/L	100		96.7	70-130	0.638	25	
Surrogate: 2,5-Dibromotoluene (FID)	49.4		µg/L	40.0		124	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	45.1		µg/L	40.0		113	70-130			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015453 - SW-846 7470A Prep										
Blank (B015453-BLK1)				Prepared & Analyzed: 06/28/10						
Mercury	ND	0.00010	mg/L							
LCS (B015453-BS1)				Prepared & Analyzed: 06/28/10						
Mercury	0.00190	0.00010	mg/L	0.00200		95.0	80-120			
LCS Dup (B015453-BSD1)				Prepared & Analyzed: 06/28/10						
Mercury	0.00191	0.00010	mg/L	0.00200		95.3	80-120	0.281	20	
Duplicate (B015453-DUP1)				Source: 10F0700-04			Prepared & Analyzed: 06/28/10			
Mercury	ND	0.00010	mg/L		ND			NC	20	
Matrix Spike (B015453-MS1)				Source: 10F0700-04			Prepared & Analyzed: 06/28/10			
Mercury	0.00185	0.00010	mg/L	0.00200	ND	92.7	75-125			
Batch B015456 - SW-846 3005A										
Blank (B015456-BLK1)				Prepared: 06/28/10 Analyzed: 06/29/10						
Antimony	ND	1.0	µg/L							
Arsenic	ND	0.40	µg/L							
Barium	ND	10	µg/L							
Beryllium	ND	0.40	µg/L							
Cadmium	ND	0.50	µg/L							
Chromium	ND	1.0	µg/L							
Lead	ND	1.0	µg/L							
Nickel	ND	5.0	µg/L							
Selenium	ND	5.0	µg/L							
Silver	ND	0.50	µg/L							
Thallium	ND	0.20	µg/L							
Vanadium	ND	5.0	µg/L							
Zinc	ND	10	µg/L							
LCS (B015456-BS1)				Prepared: 06/28/10 Analyzed: 06/29/10						
Antimony	111	2.0	µg/L	100		111	80-120			
Arsenic	113	0.80	µg/L	100		113	80-120			
Barium	114	20	µg/L	100		114	80-120			
Beryllium	112	0.80	µg/L	100		112	80-120			
Cadmium	112	1.0	µg/L	100		112	80-120			
Chromium	118	2.0	µg/L	100		118	80-120			
Lead	115	2.0	µg/L	100		115	80-120			
Nickel	120	10	µg/L	100		120	80-120			
Selenium	112	10	µg/L	100		112	80-120			
Silver	120	1.0	µg/L	100		120	80-120			
Thallium	108	0.40	µg/L	100		108	80-120			
Vanadium	118	10	µg/L	100		118	80-120			
Zinc	120	20	µg/L	100		120	80-120			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015456 - SW-846 3005A
LCS Dup (B015456-BSD1)

Prepared: 06/28/10 Analyzed: 06/29/10

Antimony	95.3	2.0	µg/L	100		95.3	80-120	15.6	20	
Arsenic	95.6	0.80	µg/L	100		95.6	80-120	16.7	20	
Barium	96.3	20	µg/L	100		96.3	80-120	17.0	20	
Beryllium	95.5	0.80	µg/L	100		95.5	80-120	15.8	20	
Cadmium	97.0	1.0	µg/L	100		97.0	80-120	14.6	20	
Chromium	99.2	2.0	µg/L	100		99.2	80-120	17.6	20	
Lead	98.8	2.0	µg/L	100		98.8	80-120	14.9	20	
Nickel	100	10	µg/L	100		100	80-120	18.2	20	
Selenium	95.8	10	µg/L	100		95.8	80-120	15.3	20	
Silver	101	1.0	µg/L	100		101	80-120	17.5	20	
Thallium	92.5	0.40	µg/L	100		92.5	80-120	15.0	20	
Vanadium	97.1	10	µg/L	100		97.1	80-120	19.0	20	
Zinc	105	20	µg/L	100		105	80-120	13.4	20	

Duplicate (B015456-DUP1)
Source: 10F0700-04

Prepared: 06/28/10 Analyzed: 06/29/10

Antimony	ND	1.0	µg/L		ND		NC	20		
Arsenic	2.11	0.40	µg/L		1.80		15.7	20		
Barium	1080	200	µg/L		1200		10.4	20		
Beryllium	ND	0.40	µg/L		ND		NC	20		
Cadmium	ND	0.50	µg/L		ND		NC	20		
Chromium	3.95	1.0	µg/L		ND		NC	20		
Lead	2.84	1.0	µg/L		2.83		0.197	20		
Nickel	5.23	5.0	µg/L		5.23		0.0782	20		
Selenium	ND	5.0	µg/L		ND		NC	20		
Silver	ND	0.50	µg/L		ND		NC	20		
Thallium	ND	0.20	µg/L		ND		NC	20		
Vanadium	ND	5.0	µg/L		ND		NC	20		
Zinc	58.6	10	µg/L		58.4		0.411	20		

Matrix Spike (B015456-MS1)
Source: 10F0700-04

Prepared: 06/28/10 Analyzed: 06/29/10

Antimony	103	2.0	µg/L	100	0.184	103	75-125			
Arsenic	103	0.80	µg/L	100	1.80	102	75-125			
Barium	1290	200	µg/L	100	1200	87.0	75-125			
Beryllium	95.9	0.80	µg/L	100	ND	95.9	75-125			
Cadmium	92.5	1.0	µg/L	100	ND	92.5	75-125			
Chromium	91.8	2.0	µg/L	100	ND	91.8	75-125			
Lead	112	2.0	µg/L	100	2.83	109	75-125			
Nickel	91.2	10	µg/L	100	5.23	86.0	75-125			
Selenium	88.9	10	µg/L	100	ND	88.9	75-125			
Silver	93.5	1.0	µg/L	100	ND	93.5	75-125			
Thallium	103	0.40	µg/L	100	0.112	102	75-125			
Vanadium	96.4	10	µg/L	100	ND	96.4	75-125			
Zinc	144	20	µg/L	100	58.4	86.1	75-125			

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
DL-05	Sample required a dilution due to high internal standard recovery of the lesser diluted digestion, reporting limit is elevated.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Water	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
MADEP-VPH-04-1.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,WA
C5-C8 Aliphatics	CT,NC,WA
Unadjusted C9-C12 Aliphatics	CT,NC,WA
C9-C12 Aliphatics	CT,NC,WA
C9-C10 Aromatics	CT,NC,WA
Benzene	CT,NC,WA
Ethylbenzene	CT,NC,WA
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA
Naphthalene	CT,NC,WA
Toluene	CT,NC,WA
o-Xylene	CT,NC,WA
SW-846 6020A in Water	
Antimony	CT,NH,NY,RI
Arsenic	CT,NH,NY,RI
Barium	CT,NH,NY,RI
Beryllium	CT,NH,NY,RI
Cadmium	CT,NH,NY,RI
Chromium	CT,NH,NY,RI
Lead	CT,NH,NY,RI
Nickel	CT,NH,NY,RI,NC
Selenium	CT,NH,NY,RI,NC
Silver	CT,NH,NY,RI,NC
Thallium	CT,NH,NY,RI,NC
Vanadium	CT,NC,NH,NY,RI

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6020A in Water</i>	
Zinc	CT,NH,NY,RI,NC
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,RI,NC
<i>SW-846 8260B in Water</i>	
Acetone	CT,NH,NY
tert-Amyl Methyl Ether (TAME)	NH,NY
Benzene	CT,NH,NY,RI
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY,RI
Bromoform	CT,NH,NY,RI
Bromomethane	CT,NH,NY,RI
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	NY
sec-Butylbenzene	NY
tert-Butylbenzene	NY
tert-Butyl Ethyl Ether (TBEE)	NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY,RI
Chlorobenzene	CT,NH,NY,RI
Chlorodibromomethane	CT,NH,NY,RI
Chloroethane	CT,NH,NY,RI
Chloroform	CT,NH,NY,RI
Chloromethane	CT,NH,NY,RI
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NY,RI
1,3-Dichlorobenzene	CT,NH,NY,RI
1,4-Dichlorobenzene	CT,NH,NY,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,RI
1,1-Dichloroethane	CT,NH,NY,RI
1,2-Dichloroethane	CT,NH,NY,RI
1,1-Dichloroethylene	CT,NH,NY,RI
trans-1,2-Dichloroethylene	CT,NH,NY,RI
1,2-Dichloropropane	CT,NH,NY,RI
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY,RI
trans-1,3-Dichloropropene	CT,NH,NY,RI
Diisopropyl Ether (DIPE)	NH,NY
Ethylbenzene	CT,NH,NY,RI
Hexachlorobutadiene	CT,NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	NY
p-Isopropyltoluene (p-Cymene)	CT,NH,NY
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY
Methylene Chloride	CT,NH,NY,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
Naphthalene	NH, NY
n-Propylbenzene	CT, NH, NY
Styrene	CT, NH, NY
1,1,1,2-Tetrachloroethane	CT, NH, NY
1,1,2,2-Tetrachloroethane	CT, NH, NY, RI
Tetrachloroethylene	CT, NH, NY, RI
Toluene	CT, NH, NY, RI
1,2,3-Trichlorobenzene	NH, NY
1,2,4-Trichlorobenzene	CT, NH, NY
1,1,1-Trichloroethane	CT, NH, NY, RI
1,1,2-Trichloroethane	CT, NH, NY, RI
Trichloroethylene	CT, NH, NY, RI
Trichlorofluoromethane (Freon 11)	CT, NH, NY, RI
1,2,3-Trichloropropane	NH, NY
1,2,4-Trimethylbenzene	NY
1,3,5-Trimethylbenzene	NY
Vinyl Chloride	CT, NH, NY, RI
m+p Xylene	CT, NH, NY, RI
o-Xylene	CT, NH, NY, RI
SW-846 8270C in Water	
Acenaphthene	CT, NY, NH, RI
Acenaphthylene	CT, NY, NH, RI
Aniline	CT, NY
Anthracene	CT, NY, NH, RI
Benzo(a)anthracene	CT, NY, NH, RI
Benzo(a)pyrene	CT, NY, NH, RI
Benzo(b)fluoranthene	CT, NY, NH, RI
Benzo(g,h,i)perylene	CT, NY, NH, RI
Benzo(k)fluoranthene	CT, NY, NH, RI
Bis(2-chloroethoxy)methane	CT, NY, NH, RI
Bis(2-chloroethyl)ether	CT, NY, NH, RI
Bis(2-chloroisopropyl)ether	CT, NY, NH, RI
Bis(2-Ethylhexyl)phthalate	CT, NY, NH, RI
4-Bromophenylphenylether	CT, NY, NH, RI
Butylbenzylphthalate	CT, NY, NH, RI
4-Chloroaniline	CT, NY, NH
2-Chloronaphthalene	CT, NY, NH, RI
2-Chlorophenol	CT, NY, NH, RI
Chrysene	CT, NY, NH, RI
Dibenz(a,h)anthracene	CT, NY, NH, RI
Dibenzofuran	CT, NY, NH
Di-n-butylphthalate	CT, NY, NH, RI
1,2-Dichlorobenzene	CT, NY, NH, RI
1,3-Dichlorobenzene	CT, NY, NH, RI
1,4-Dichlorobenzene	CT, NY, NH, RI
3,3-Dichlorobenzidine	CT, NY, NH, RI

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Water</i>	
2,4-Dichlorophenol	CT,NY,NH,RI
Diethylphthalate	CT,NY,NH,RI
2,4-Dimethylphenol	CT,NY,NH,RI
Dimethylphthalate	CT,NY,NH,RI
2,4-Dinitrophenol	CT,NY,NH,RI
2,4-Dinitrotoluene	CT,NY,NH,RI
2,6-Dinitrotoluene	CT,NY,NH,RI
Di-n-octylphthalate	CT,NY,NH,RI
Fluoranthene	CT,NY,NH,RI
Fluorene	NY,NH,RI
Hexachlorobenzene	CT,NY,NH,RI
Hexachlorobutadiene	CT,NY,NH,RI
Hexachloroethane	CT,NY,NH,RI
Indeno(1,2,3-cd)pyrene	CT,NY,NH,RI
Isophorone	CT,NY,NH,RI
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH,RI
Nitrobenzene	CT,NY,NH,RI
2-Nitrophenol	CT,NY,NH,RI
4-Nitrophenol	CT,NY,NH,RI
Pentachlorophenol	CT,NY,NH,RI
Phenanthrene	CT,NY,NH,RI
Phenol	CT,NY,NH,RI
Pyrene	CT,NY,NH,RI
1,2,4-Trichlorobenzene	CT,NY,NH,RI
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH,RI

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

Sample Receipt Checklist
 CLIENT NAME: TRC RECEIVED BY: ZB DATE: 6-24-10
1) Was the chain(s) of custody relinquished and signed? Yes No2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/ATemperature °C by Temp blank _____ Temperature °C by Temp gun ZB 4.05) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored:
 Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	20	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	12	Air Cassette	
40 mL Vial - type listed below	30	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

 40 mL vials: # HCl 30 # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

June 2010

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10F0700

Project Location: 29 Elm Street, Salisbury

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10F0700-01 thru 10F0700-04

Matrices: Water

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A (X)	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A ()	6020 Metals CAM III D (X)	8082 PCB CAM V A ()	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☒ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 07/02/10

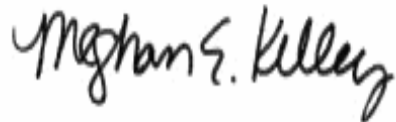
August 13, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: Elm St., Salisbury, MA
Client Job Number:
Project Number: 170023
Laboratory Work Order Number: 10F0382

Enclosed are results of analyses for samples received by the laboratory on June 14, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-36	10F0382-01	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-35	10F0382-02	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-34	10F0382-03	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-33	10F0382-04	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-32	10F0382-05	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-31	10F0382-06	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-30	10F0382-07	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-29	10F0382-08	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-28	10F0382-09	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-27	10F0382-10	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-26	10F0382-11	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-25	10F0382-12	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-24	10F0382-13	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-23	10F0382-14	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-22	10F0382-15	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-21	10F0382-16	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-20	10F0382-17	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-19	10F0382-18	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-18	10F0382-19	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-17	10F0382-20	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-16	10F0382-21	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-15	10F0382-22	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-14	10F0382-23	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-13	10F0382-24	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-12	10F0382-25	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-11	10F0382-26	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-10	10F0382-27	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-9	10F0382-28	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-8	10F0382-29	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-7	10F0382-30	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DUP-1	10F0382-31	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-6	10F0382-32	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-5	10F0382-33	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-4	10F0382-34	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-3	10F0382-35	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
SS-2	10F0382-36	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/13/2010

PURCHASE ORDER NUMBER: 24605

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0382

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-1	10F0382-37	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	
DUP-2	10F0382-38	Soil		SM 2540G SM2580 A SW-846 6010B SW-846 7471A SW-846 8270C SW-846 9045D	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Revised Report - 08/13/2010 - Report updated with clients requests.

For method 6010, Sb hits for samples 10F0382-01, 14, 22 and 36, and Be hits for samples 10F0382-01 - 19 were confirmed by method 6020.

For mercury analysis, samples were analyzed per method 7471A.

SW-846 6010B**Qualifications:**

Result is serial dilution as per MA CAM regulation.

Analyte & Samples(s) Qualified:

B014955-DUP2, B014971-DUP2, B015060-DUP2

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Antimony**

10F0382-18[SS-19], B014955-MS1, B014955-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**Antimony**

10F0382-26[SS-11], B014971-MS1, B014971-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:**Zinc**

10F0382-18[SS-19], B014955-MS1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Barium, Lead, Zinc**

10F0382-18[SS-19], 10F0382-26RE1[SS-11], B014955-MS1, B014955-MSD1, B015060-MS1, B015060-MSD1, 10F0382-26[SS-11], B014971-MS1, B014971-MSD1

Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.

Analyte & Samples(s) Qualified:**Cadmium**

10F0382-18[SS-19], B014955-DUP1

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:**Cadmium**

10F0382-26[SS-11], B014971-DUP1

SW-846 8270C**Qualifications:**

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery.
Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

3,3-Dichlorobenzidine, 4-Chloroaniline, Acenaphthene, Aniline, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Di-n-butylphthalate, Fluoranthene, Fluorene, Phenanthrene, Pyrene
B015001-MS1, B015001-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**3,3-Dichlorobenzidine, Aniline**

10F0382-18[SS-19], B015000-MS1, B015000-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol, Benzo(a)anthracene, Benzo(b)fluoranthene, Bis(2-Ethylhexyl)phthalate, Butylbenzylphthalate, Di-n-octylphthalate, Fluoranthene, Pentachlorophenol, Phenanthrene, Pyrene**

10F0382-26[SS-11], B015001-MS1, B015001-MSD1, 10F0382-18[SS-19], B015000-MS1, B015000-MSD1, 10F0382-18RE1[SS-19]

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:**Acetophenone, Bis(2-Ethylhexyl)phthalate**

B015001-MS1, B015001-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**4-Chloroaniline, Benzo(a)pyrene, Benzo(g,h,i)perylene, Indeno(1,2,3-cd)pyrene**

B015000-MS1, B015000-MSD1

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**2,6-Dinitrotoluene, 2-Methylnaphthalene, 3/4-Methylphenol, 4-Chloroaniline, Aniline, Benzo(a)anthracene, Benzo(g,h,i)perylene, Bis(2-Ethylhexyl)phthalate, Butylbenzylphthalate, Fluoranthene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenanthrene, Pyrene**

10F0382-18[SS-19], B015000-MSD1, B015000-MS1, 10F0382-26[SS-11], B015001-MS1, B015001-MSD1, 10F0382-18RE1[SS-19]

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 3,3-Dichlorobenzidine, 4-Bromophenylphenylether, 4-Chloroaniline, Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Bis(2-Ethylhexyl)phthalate, Butylbenzylphthalate, Chrysene, Dibenz(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Phenanthrene, Phenol, Pyrene
10F0382-03[SS-34], 10F0382-04[SS-33], 10F0382-05[SS-32], 10F0382-07[SS-30], 10F0382-10[SS-27], 10F0382-12[SS-25], 10F0382-17[SS-20], 10F0382-18[SS-19], 10F0382-22[SS-15], 10F0382-23[SS-14], 10F0382-24[SS-13], 10F0382-30[SS-7]

Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 4-Bromophenylphenylether, 4-Chloroaniline, Acetophenone, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Bis(2-Ethylhexyl)phthalate, Butylbenzylphthalate, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Hexachlorobenzene, Hexachlorobutadiene, Isophorone, Nitrobenzene, Phenol
10F0382-08[SS-29], 10F0382-13[SS-24]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d6, Terphenyl-d14**

10F0382-01RE1[SS-36], 10F0382-02RE1[SS-35], 10F0382-05RE1[SS-32], 10F0382-10RE1[SS-27], 10F0382-11RE1[SS-26], 10F0382-12RE1[SS-25], 10F0382-16RE2[SS-21], 10F0382-18RE1[SS-19], 10F0382-22RE1[SS-15], 10F0382-23RE1[SS-14], 10F0382-24RE1[SS-13], 10F0382-27RE2[SS-10], 10F0382-28RE1[SS-9], 10F0382-31RE1[DUP-1], 10F0382-34RE2[SS-4], 10F0382-37RE2[SS-1], 10F0382-38RE1[DUP-2]

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:**Phenol-d6**

B015000-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene**

10F0382-21[SS-16], 10F0382-25[SS-12], 10F0382-26[SS-11], 10F0382-27[SS-10], 10F0382-34[SS-4], 10F0382-37[SS-1], B015001-BS1, B015001-BSD1

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol**

10F0382-08[SS-29], 10F0382-13[SS-24], 10F0382-14[SS-23], 10F0382-15[SS-22], 10F0382-19[SS-18], 10F0382-20[SS-17], B015000-BLK1, B015000-BS1, B015000-BSD1

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-36

Sampled: 6/14/2010 11:00

Sample ID: 10F0382-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Benzo(a)anthracene	0.27	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Benzo(a)pyrene	0.32	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Benzo(b)fluoranthene	0.40	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Benzo(g,h,i)perylene	0.22	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Bis(2-Ethylhexyl)phthalate	67	7.9	mg/Kg dry	20		SW-846 8270C	6/16/10	6/18/10 19:28	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Chrysene	0.35	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Di-n-octylphthalate	1.3	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Fluoranthene	0.44	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Indeno(1,2,3-cd)pyrene	0.23	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-36

Sampled: 6/14/2010 11:00

Sample ID: 10F0382-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Phenanthrene	0.31	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Pyrene	0.37	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:15	BGL
Surrogates	% Recovery	Recovery Limits			Flag				
2-Fluorophenol	*	30-130			S-01			6/18/10 19:28	
2-Fluorophenol	81.2	30-130						6/18/10 17:15	
Phenol-d6	*	30-130			S-01			6/18/10 19:28	
Phenol-d6	86.8	30-130						6/18/10 17:15	
Nitrobenzene-d5	*	30-130			S-01			6/18/10 19:28	
Nitrobenzene-d5	72.6	30-130						6/18/10 17:15	
2-Fluorobiphenyl	*	30-130			S-01			6/18/10 19:28	
2-Fluorobiphenyl	71.3	30-130						6/18/10 17:15	
2,4,6-Tribromophenol	70.3	30-130						6/18/10 17:15	
2,4,6-Tribromophenol	*	30-130			S-01			6/18/10 19:28	
Terphenyl-d14	*	30-130			S-01			6/18/10 19:28	
Terphenyl-d14	56.5	30-130						6/18/10 17:15	

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-36

Sampled: 6/14/2010 11:00

Sample ID: 10F0382-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.2	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Arsenic	16	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Barium	6800	28	mg/Kg dry	10		SW-846 6010B	6/15/10	6/17/10 10:17	KSH
Beryllium	3.5	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:13	KSH
Cadmium	4.1	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Chromium	150	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Lead	140	0.85	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Mercury	0.039	0.022	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:43	MPF
Nickel	21	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Vanadium	21	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:14	KSH
Zinc	3700	11	mg/Kg dry	10		SW-846 6010B	6/15/10	6/17/10 10:18	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:00

Field Sample #: SS-36

Sample ID: 10F0382-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	120		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.1°C	6.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	86.2		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:05

Field Sample #: SS-35

Sample ID: 10F0382-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Benzo(a)anthracene	0.21	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Benzo(a)pyrene	0.25	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Benzo(b)fluoranthene	0.39	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Bis(2-Ethylhexyl)phthalate	330	83	mg/Kg dry	200		SW-846 8270C	6/16/10	6/21/10 18:36	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Chrysene	0.27	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Di-n-octylphthalate	4.0	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Fluoranthene	0.34	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-35

Sampled: 6/14/2010 11:05

Sample ID: 10F0382-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
Pyrene	0.31	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 19:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	83.5	30-130		6/17/10 19:57
2-Fluorophenol	*	30-130	S-01	6/21/10 18:36
Phenol-d6	74.8	30-130		6/17/10 19:57
Phenol-d6	*	30-130	S-01	6/21/10 18:36
Nitrobenzene-d5	76.6	30-130		6/17/10 19:57
Nitrobenzene-d5	*	30-130	S-01	6/21/10 18:36
2-Fluorobiphenyl	86.2	30-130		6/17/10 19:57
2-Fluorobiphenyl	*	30-130	S-01	6/21/10 18:36
2,4,6-Tribromophenol	69.4	30-130		6/17/10 19:57
2,4,6-Tribromophenol	*	30-130	S-01	6/21/10 18:36
Terphenyl-d14	73.1	30-130		6/17/10 19:57
Terphenyl-d14	*	30-130	S-01	6/21/10 18:36

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:05

Field Sample #: SS-35

Sample ID: 10F0382-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Arsenic	14	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Barium	500	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Beryllium	3.2	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:18	KSH
Cadmium	4.3	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Chromium	30	0.61	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Lead	65	0.91	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Mercury	0.074	0.023	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:49	MPF
Nickel	11	0.61	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Vanadium	22	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH
Zinc	570	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:19	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:05

Field Sample #: SS-35

Sample ID: 10F0382-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	95		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21°C	6.0		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	81.8		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-34

Sampled: 6/14/2010 11:15

Sample ID: 10F0382-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Acenaphthylene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Acetophenone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Anthracene	1.5	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Benzo(a)anthracene	5.3	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Benzo(a)pyrene	4.8	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Benzo(b)fluoranthene	5.8	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Benzo(g,h,i)perylene	2.6	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Benzo(k)fluoranthene	2.3	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Bis(2-Ethylhexyl)phthalate	6.7	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Butylbenzylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
4-Chloroaniline	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Chrysene	5.8	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Dibenz(a,h)anthracene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Dibenzofuran	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
1,2-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
1,3-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
1,4-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
3,3-Dichlorobenzidine	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Diethylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Dimethylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4-Dinitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Di-n-octylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Fluoranthene	9.6	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Fluorene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Hexachlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Hexachloroethane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Indeno(1,2,3-cd)pyrene	3.0	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Isophorone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2-Methylnaphthalene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:15

Field Sample #: SS-34

Sample ID: 10F0382-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Naphthalene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Nitrobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
4-Nitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Phenanthrene	8.6	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Phenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Pyrene	7.2	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 17:48	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	58.8	30-130							
Phenol-d6	58.1	30-130							
Nitrobenzene-d5	50.0	30-130							
2-Fluorobiphenyl	54.5	30-130							
2,4,6-Tribromophenol	56.8	30-130							
Terphenyl-d14	50.2	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-34

Sampled: 6/14/2010 11:15

Sample ID: 10F0382-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Barium	1400	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH
Beryllium	1.9	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:22	KSH
Cadmium	1.4	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Chromium	57	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH
Lead	180	0.82	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Mercury	0.072	0.020	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:50	MPF
Nickel	11	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:24	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH
Vanadium	12	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH
Zinc	620	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:23	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:15

Field Sample #: SS-34

Sample ID: 10F0382-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	110		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21°C	6.0		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	87.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-33

Sampled: 6/14/2010 11:30

Sample ID: 10F0382-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Acenaphthylene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Acetophenone	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Aniline	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Anthracene	0.55	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Benzo(a)anthracene	1.6	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Benzo(a)pyrene	1.5	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Benzo(b)fluoranthene	1.7	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Benzo(g,h,i)perylene	1.0	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Benzo(k)fluoranthene	0.72	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Bis(2-chloroethoxy)methane	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Bis(2-chloroethyl)ether	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Bis(2-chloroisopropyl)ether	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Bis(2-Ethylhexyl)phthalate	1.8	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
4-Bromophenylphenylether	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2-Chloronaphthalene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2-Chlorophenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Chrysene	1.7	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Dibenz(a,h)anthracene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Dibenzofuran	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Di-n-butylphthalate	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
1,2-Dichlorobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
1,3-Dichlorobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
1,4-Dichlorobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
3,3-Dichlorobenzidine	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4-Dichlorophenol	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Diethylphthalate	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4-Dimethylphenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Dimethylphthalate	ND	1.4	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4-Dinitrotoluene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,6-Dinitrotoluene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Fluoranthene	3.0	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Fluorene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Hexachlorobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Hexachlorobutadiene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Hexachloroethane	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Indeno(1,2,3-cd)pyrene	1.1	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Isophorone	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2-Methylnaphthalene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:30

Field Sample #: SS-33

Sample ID: 10F0382-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
3/4-Methylphenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Naphthalene	ND	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Nitrobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2-Nitrophenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Pentachlorophenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Phenanthrene	2.9	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Phenol	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Pyrene	3.1	0.36	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	2	RL-05	SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4,5-Trichlorophenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
2,4,6-Trichlorophenol	ND	0.73	mg/Kg dry	2		SW-846 8270C	6/16/10	6/18/10 18:20	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	81.0	30-130							
Phenol-d6	87.0	30-130							
Nitrobenzene-d5	69.8	30-130							
2-Fluorobiphenyl	75.7	30-130							
2,4,6-Tribromophenol	85.2	30-130							
Terphenyl-d14	70.8	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:30

Field Sample #: SS-33

Sample ID: 10F0382-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Arsenic	15	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Barium	470	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Beryllium	1.8	0.26	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:27	KSH
Cadmium	0.57	0.26	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Chromium	26	0.52	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Lead	97	0.79	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Mercury	0.58	0.019	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:52	MPF
Nickel	10	0.52	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Vanadium	13	1.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH
Zinc	120	1.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:28	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:30

Field Sample #: SS-33

Sample ID: 10F0382-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	110		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.3°C	5.5		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	93.2		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-32

Sampled: 6/14/2010 11:45

Sample ID: 10F0382-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Acenaphthylene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Acetophenone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Aniline	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Benzo(a)anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Benzo(a)pyrene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Benzo(b)fluoranthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Benzo(g,h,i)perylene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Benzo(k)fluoranthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Bis(2-chloroethoxy)methane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Bis(2-chloroethyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Bis(2-chloroisopropyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Bis(2-Ethylhexyl)phthalate	69	10	mg/Kg dry	25		SW-846 8270C	6/16/10	6/20/10 13:28	BGL
4-Bromophenylphenylether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Butylbenzylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
4-Chloroaniline	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2-Chloronaphthalene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2-Chlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Chrysene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Dibenz(a,h)anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Dibenzofuran	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Di-n-butylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
1,2-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
1,3-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
1,4-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
3,3-Dichlorobenzidine	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4-Dichlorophenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Diethylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4-Dimethylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Dimethylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4-Dinitrophenol	ND	3.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,6-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Di-n-octylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Fluoranthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Fluorene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Hexachlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Hexachlorobutadiene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Hexachloroethane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Indeno(1,2,3-cd)pyrene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Isophorone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2-Methylnaphthalene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-32

Sampled: 6/14/2010 11:45

Sample ID: 10F0382-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
3/4-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Naphthalene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Nitrobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2-Nitrophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
4-Nitrophenol	ND	3.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Pentachlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Phenanthrene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Phenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Pyrene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
1,2,4-Trichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4,5-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
2,4,6-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:58	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	76.4	30-130							
2-Fluorophenol	*	30-130	S-01						
Phenol-d6	84.9	30-130							
Phenol-d6	*	30-130	S-01						
Nitrobenzene-d5	66.6	30-130							
Nitrobenzene-d5	*	30-130	S-01						
2-Fluorobiphenyl	71.4	30-130							
2-Fluorobiphenyl	*	30-130	S-01						
2,4,6-Tribromophenol	67.4	30-130							
2,4,6-Tribromophenol	*	30-130	S-01						
Terphenyl-d14	68.7	30-130							
Terphenyl-d14	*	30-130	S-01						

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-32

Sampled: 6/14/2010 11:45

Sample ID: 10F0382-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:33	KSH
Arsenic	6.7	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:33	KSH
Barium	660	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Beryllium	1.9	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:31	KSH
Cadmium	2.0	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:33	KSH
Chromium	18	0.59	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Lead	82	0.89	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Mercury	0.041	0.029	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:54	MPF
Nickel	6.8	0.59	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:33	KSH
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:33	KSH
Silver	0.61	0.59	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Vanadium	12	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH
Zinc	120	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:32	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:45

Field Sample #: SS-32

Sample ID: 10F0382-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	100		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.1°C	6.2		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	83.7		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:55

Field Sample #: SS-31

Sample ID: 10F0382-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Bis(2-Ethylhexyl)phthalate	6.0	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:32	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Butylbenzylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Di-n-butylphthalate	0.51	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Dimethylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-31

Sampled: 6/14/2010 11:55

Sample ID: 10F0382-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 18:53	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	85.4		30-130				6/18/10 18:53		
2-Fluorophenol	46.6		30-130				6/18/10 20:32		
Phenol-d6	91.8		30-130				6/18/10 18:53		
Phenol-d6	44.2		30-130				6/18/10 20:32		
Nitrobenzene-d5	74.6		30-130				6/18/10 18:53		
Nitrobenzene-d5	40.9		30-130				6/18/10 20:32		
2-Fluorobiphenyl	74.6		30-130				6/18/10 18:53		
2-Fluorobiphenyl	54.0		30-130				6/18/10 20:32		
2,4,6-Tribromophenol	95.3		30-130				6/18/10 18:53		
2,4,6-Tribromophenol	72.1		30-130				6/18/10 20:32		
Terphenyl-d14	79.8		30-130				6/18/10 18:53		
Terphenyl-d14	64.0		30-130				6/18/10 20:32		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-31

Sampled: 6/14/2010 11:55

Sample ID: 10F0382-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Arsenic	4.6	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Barium	35	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Beryllium	1.2	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:36	KSH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Chromium	9.0	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Lead	8.7	0.81	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Mercury	ND	0.012	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:55	MPF
Nickel	4.4	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Vanadium	7.4	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH
Zinc	24	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:37	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 11:55

Field Sample #: SS-31

Sample ID: 10F0382-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	100		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.2°C	5.0		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	91.8		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-30

Sampled: 6/14/2010 12:05

Sample ID: 10F0382-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Acenaphthylene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Acetophenone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Anthracene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Benzo(a)anthracene	3.9	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Benzo(a)pyrene	2.9	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Benzo(b)fluoranthene	3.8	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Benzo(g,h,i)perylene	1.2	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Benzo(k)fluoranthene	1.4	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Bis(2-Ethylhexyl)phthalate	2.0	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Butylbenzylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
4-Chloroaniline	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Chrysene	3.8	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Dibenz(a,h)anthracene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Dibenzofuran	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
1,2-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
1,3-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
1,4-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
3,3-Dichlorobenzidine	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Diethylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Dimethylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4-Dinitrophenol	ND	3.6	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Di-n-octylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Fluoranthene	5.7	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Fluorene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Hexachlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Hexachloroethane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Isophorone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2-Methylnaphthalene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:05

Field Sample #: SS-30

Sample ID: 10F0382-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Naphthalene	ND	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Nitrobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
4-Nitrophenol	ND	3.6	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Phenanthrene	2.4	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Phenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Pyrene	4.4	0.94	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 20:28	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	73.8		30-130				6/18/10 20:28		
Phenol-d6	79.8		30-130				6/18/10 20:28		
Nitrobenzene-d5	58.3		30-130				6/18/10 20:28		
2-Fluorobiphenyl	66.5		30-130				6/18/10 20:28		
2,4,6-Tribromophenol	57.1		30-130				6/18/10 20:28		
Terphenyl-d14	53.6		30-130				6/18/10 20:28		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:05

Field Sample #: SS-30

Sample ID: 10F0382-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Arsenic	8.7	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Barium	78	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH
Beryllium	2.1	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH
Cadmium	0.40	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Chromium	17	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Lead	57	0.83	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Mercury	0.057	0.017	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:57	MPF
Nickel	10	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:42	KSH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH
Vanadium	18	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH
Zinc	92	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:41	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:05

Field Sample #: SS-30

Sample ID: 10F0382-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.3°C	5.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	89.8		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-29

Sampled: 6/14/2010 12:15

Sample ID: 10F0382-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Acetophenone	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Aniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Benzo(a)anthracene	0.46	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Benzo(a)pyrene	0.51	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Benzo(b)fluoranthene	0.63	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Bis(2-Ethylhexyl)phthalate	1.2	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Chrysene	0.49	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Dibenzofuran	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Di-n-butylphthalate	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
1,2-Dichlorobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
1,3-Dichlorobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
1,4-Dichlorobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Fluoranthene	0.80	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Indeno(1,2,3-cd)pyrene	0.38	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Isophorone	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:15

Field Sample #: SS-29

Sample ID: 10F0382-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Phenanthrene	0.39	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Phenol	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Pyrene	0.59	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:09	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	84.2		30-130				6/20/10 11:09		
Phenol-d6	88.2		30-130				6/20/10 11:09		
Nitrobenzene-d5	72.3		30-130				6/20/10 11:09		
2-Fluorobiphenyl	79.1		30-130				6/20/10 11:09		
2,4,6-Tribromophenol	87.3		30-130				6/20/10 11:09		
Terphenyl-d14	65.1		30-130				6/20/10 11:09		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-29

Sampled: 6/14/2010 12:15

Sample ID: 10F0382-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Arsenic	9.5	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Barium	120	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Beryllium	1.7	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:45	KSH
Cadmium	0.40	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Chromium	16	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Lead	56	0.82	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Mercury	0.044	0.018	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 15:59	MPF
Nickel	12	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH
Zinc	94	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:46	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:15

Field Sample #: SS-29

Sample ID: 10F0382-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	120		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.2°C	6.2		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	89.6		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-28

Sampled: 6/14/2010 12:20

Sample ID: 10F0382-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Acenaphthylene	0.40	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Anthracene	0.46	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Benzo(a)anthracene	1.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Benzo(a)pyrene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Benzo(b)fluoranthene	1.6	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Benzo(g,h,i)perylene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Benzo(k)fluoranthene	0.58	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Bis(2-Ethylhexyl)phthalate	1.1	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Chrysene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Di-n-butylphthalate	0.46	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Fluoranthene	2.8	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Fluorene	0.26	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Indeno(1,2,3-cd)pyrene	0.72	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-28

Sampled: 6/14/2010 12:20

Sample ID: 10F0382-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Phenanthrene	2.5	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Pyrene	2.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 21:29	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	82.2		30-130				6/18/10 21:29		
Phenol-d6	83.8		30-130				6/18/10 21:29		
Nitrobenzene-d5	76.3		30-130				6/18/10 21:29		
2-Fluorobiphenyl	79.6		30-130				6/18/10 21:29		
2,4,6-Tribromophenol	92.4		30-130				6/18/10 21:29		
Terphenyl-d14	60.2		30-130				6/18/10 21:29		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-28

Sampled: 6/14/2010 12:20

Sample ID: 10F0382-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Barium	87	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Beryllium	1.5	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:50	KSH
Cadmium	0.48	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Chromium	15	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Lead	120	0.82	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Mercury	0.16	0.017	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:00	MPF
Nickel	6.1	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Silver	1.0	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Vanadium	12	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH
Zinc	62	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 13:51	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:20

Field Sample #: SS-28

Sample ID: 10F0382-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.4°C	4.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	88.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-27

Sampled: 6/14/2010 12:30

Sample ID: 10F0382-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Acenaphthylene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Acetophenone	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Aniline	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Anthracene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Benzo(a)anthracene	1.9	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Benzo(a)pyrene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Benzo(b)fluoranthene	2.1	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Benzo(g,h,i)perylene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Benzo(k)fluoranthene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Bis(2-chloroethoxy)methane	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Bis(2-chloroethyl)ether	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Bis(2-chloroisopropyl)ether	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Bis(2-Ethylhexyl)phthalate	84	18	mg/Kg dry	50		SW-846 8270C	6/16/10	6/20/10 14:01	BGL
4-Bromophenylphenylether	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Butylbenzylphthalate	ND	7.1	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
4-Chloroaniline	ND	7.1	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2-Chloronaphthalene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2-Chlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Chrysene	1.9	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Dibenz(a,h)anthracene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Dibenzofuran	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Di-n-butylphthalate	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
1,2-Dichlorobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
1,3-Dichlorobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
1,4-Dichlorobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
3,3-Dichlorobenzidine	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4-Dichlorophenol	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Diethylphthalate	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4-Dimethylphenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Dimethylphthalate	ND	7.1	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4-Dinitrophenol	ND	7.1	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4-Dinitrotoluene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,6-Dinitrotoluene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Di-n-octylphthalate	ND	7.1	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Fluoranthene	3.5	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Fluorene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Hexachlorobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Hexachlorobutadiene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Hexachloroethane	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Indeno(1,2,3-cd)pyrene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Isophorone	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2-Methylnaphthalene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-27

Sampled: 6/14/2010 12:30

Sample ID: 10F0382-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
3/4-Methylphenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Naphthalene	ND	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Nitrobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2-Nitrophenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
4-Nitrophenol	ND	7.1	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Pentachlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Phenanthrene	3.4	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Phenol	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Pyrene	2.3	1.8	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
1,2,4-Trichlorobenzene	ND	3.7	mg/Kg dry	10	RL-05	SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4,5-Trichlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
2,4,6-Trichlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 22:00	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	*	30-130	S-01						
2-Fluorophenol	87.6	30-130	6/18/10 22:00						
Phenol-d6	*	30-130	S-01						
Phenol-d6	84.9	30-130	6/18/10 22:00						
Nitrobenzene-d5	*	30-130	S-01						
Nitrobenzene-d5	72.1	30-130	6/18/10 22:00						
2-Fluorobiphenyl	*	30-130	S-01						
2-Fluorobiphenyl	74.1	30-130	6/18/10 22:00						
2,4,6-Tribromophenol	*	30-130	S-01						
2,4,6-Tribromophenol	82.2	30-130	6/18/10 22:00						
Terphenyl-d14	60.9	30-130	6/18/10 22:00						
Terphenyl-d14	*	30-130	S-01						
			6/20/10 14:01						

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-27

Sampled: 6/14/2010 12:30

Sample ID: 10F0382-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Arsenic	12	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Barium	460	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Beryllium	3.4	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:14	KSH
Cadmium	5.1	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Chromium	50	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Lead	100	0.80	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Mercury	0.10	0.024	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:02	MPF
Nickel	22	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Vanadium	24	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH
Zinc	170	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:15	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:30

Field Sample #: SS-27

Sample ID: 10F0382-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 8:30	LL
pH @21.6°C	5.6		pH Units	1		SW-846 9045D	6/15/10	6/15/10 8:30	LL
% Solids	92.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-26

Sampled: 6/14/2010 12:40

Sample ID: 10F0382-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Anthracene	0.32	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Benzo(a)anthracene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Benzo(a)pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Benzo(b)fluoranthene	1.5	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Benzo(g,h,i)perylene	0.53	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Benzo(k)fluoranthene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Bis(2-Ethylhexyl)phthalate	150	19	mg/Kg dry	50		SW-846 8270C	6/16/10	6/21/10 14:01	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Chrysene	1.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Di-n-butylphthalate	1.3	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Dimethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Fluoranthene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Indeno(1,2,3-cd)pyrene	0.62	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-26

Sampled: 6/14/2010 12:40

Sample ID: 10F0382-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Phenanthrene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 22:31	BGL
Surrogates	% Recovery	Recovery Limits			Flag				
2-Fluorophenol	*	30-130			S-01			6/21/10 14:01	
2-Fluorophenol	73.4	30-130						6/18/10 22:31	
Phenol-d6	*	30-130			S-01			6/21/10 14:01	
Phenol-d6	72.2	30-130						6/18/10 22:31	
Nitrobenzene-d5	*	30-130			S-01			6/21/10 14:01	
Nitrobenzene-d5	65.0	30-130						6/18/10 22:31	
2-Fluorobiphenyl	*	30-130			S-01			6/21/10 14:01	
2-Fluorobiphenyl	61.5	30-130						6/18/10 22:31	
2,4,6-Tribromophenol	*	30-130			S-01			6/21/10 14:01	
2,4,6-Tribromophenol	88.7	30-130						6/18/10 22:31	
Terphenyl-d14	50.1	30-130						6/18/10 22:31	
Terphenyl-d14	*	30-130			S-01			6/21/10 14:01	

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-26

Sampled: 6/14/2010 12:40

Sample ID: 10F0382-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Arsenic	11	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Barium	900	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH
Beryllium	2.2	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:18	KSH
Cadmium	4.2	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Chromium	32	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH
Lead	110	0.81	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Mercury	0.068	0.021	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:04	MPF
Nickel	14	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:20	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH
Zinc	230	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:19	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:40

Field Sample #: SS-26

Sample ID: 10F0382-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	120		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.6°C	5.7		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	90.2		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-25

Sampled: 6/14/2010 12:50

Sample ID: 10F0382-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Acenaphthylene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Acetophenone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Anthracene	1.2	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Benzo(a)anthracene	3.4	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Benzo(a)pyrene	3.1	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Benzo(b)fluoranthene	4.2	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Benzo(g,h,i)perylene	1.3	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Benzo(k)fluoranthene	1.7	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Bis(2-Ethylhexyl)phthalate	140	19	mg/Kg dry	50		SW-846 8270C	6/16/10	6/20/10 15:10	BGL
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Butylbenzylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
4-Chloroaniline	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Chrysene	3.6	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Dibenz(a,h)anthracene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Dibenzofuran	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
1,2-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
1,3-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
1,4-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
3,3-Dichlorobenzidine	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Diethylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Dimethylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4-Dinitrophenol	ND	3.6	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Di-n-octylphthalate	ND	3.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Fluoranthene	5.8	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Fluorene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Hexachlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Hexachloroethane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Indeno(1,2,3-cd)pyrene	1.6	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Isophorone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2-Methylnaphthalene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-25

Sampled: 6/14/2010 12:50

Sample ID: 10F0382-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Naphthalene	ND	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Nitrobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
4-Nitrophenol	ND	3.6	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Phenanthrene	6.3	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Phenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
Pyrene	4.1	0.93	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 23:01	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	65.3	30-130		6/18/10 23:01
2-Fluorophenol	*	30-130	S-01	6/20/10 15:10
Phenol-d6	*	30-130	S-01	6/20/10 15:10
Phenol-d6	68.9	30-130		6/18/10 23:01
Nitrobenzene-d5	62.3	30-130		6/18/10 23:01
Nitrobenzene-d5	*	30-130	S-01	6/20/10 15:10
2-Fluorobiphenyl	58.4	30-130		6/18/10 23:01
2-Fluorobiphenyl	*	30-130	S-01	6/20/10 15:10
2,4,6-Tribromophenol	*	30-130	S-01	6/20/10 15:10
2,4,6-Tribromophenol	72.1	30-130		6/18/10 23:01
Terphenyl-d14	*	30-130	S-01	6/20/10 15:10
Terphenyl-d14	45.6	30-130		6/18/10 23:01

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-25

Sampled: 6/14/2010 12:50

Sample ID: 10F0382-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Arsenic	7.8	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Barium	580	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Beryllium	1.8	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:23	KSH
Cadmium	3.4	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Chromium	33	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Lead	110	0.81	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Mercury	0.051	0.025	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:10	MPF
Nickel	8.6	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Vanadium	13	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH
Zinc	160	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:24	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 12:50

Field Sample #: SS-25

Sample ID: 10F0382-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	100		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.6°C	5.3		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	91.4		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-24

Sampled: 6/14/2010 13:00

Sample ID: 10F0382-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Acenaphthylene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Acetophenone	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Aniline	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Anthracene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(a)anthracene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(a)pyrene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(b)fluoranthene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(g,h,i)perylene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(k)fluoranthene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Bis(2-chloroethoxy)methane	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Bis(2-chloroethyl)ether	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Bis(2-chloroisopropyl)ether	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
4-Bromophenylphenylether	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2-Chloronaphthalene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2-Chlorophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Chrysene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Dibenz(a,h)anthracene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Dibenzofuran	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Di-n-butylphthalate	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,2-Dichlorobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,3-Dichlorobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,4-Dichlorobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
3,3-Dichlorobenzidine	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4-Dichlorophenol	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Diethylphthalate	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4-Dimethylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Dimethylphthalate	ND	1.4	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4-Dinitrotoluene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,6-Dinitrotoluene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Fluoranthene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Fluorene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Hexachlorobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Hexachlorobutadiene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Hexachloroethane	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Indeno(1,2,3-cd)pyrene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Isophorone	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2-Methylnaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-24

Sampled: 6/14/2010 13:00

Sample ID: 10F0382-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
3/4-Methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Naphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Nitrobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Pentachlorophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Phenanthrene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Phenol	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Pyrene	ND	0.36	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,2,4-Trichlorobenzene	ND	0.72	mg/Kg dry	1	RL-08	SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4,5-Trichlorophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
2,4,6-Trichlorophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	66.9	30-130							
Phenol-d6	69.6	30-130							
Nitrobenzene-d5	61.0	30-130							
2-Fluorobiphenyl	65.0	30-130							
2,4,6-Tribromophenol	60.7	30-130							
Terphenyl-d14	58.7	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-24

Sampled: 6/14/2010 13:00

Sample ID: 10F0382-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Arsenic	9.2	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Barium	30	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Beryllium	2.3	0.26	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:28	KSH
Cadmium	0.28	0.26	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Chromium	19	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Lead	25	0.79	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Mercury	ND	0.024	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:11	MPF
Nickel	14	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Vanadium	25	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH
Zinc	47	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:29	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 13:00

Field Sample #: SS-24

Sample ID: 10F0382-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.7°C	5.7		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	94.7		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 13:10

Field Sample #: SS-23

Sample ID: 10F0382-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Benzo(a)anthracene	0.29	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Benzo(a)pyrene	0.26	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Benzo(b)fluoranthene	0.38	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Bis(2-Ethylhexyl)phthalate	5.3	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 0:01	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Chrysene	0.32	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Di-n-butylphthalate	1.9	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Fluoranthene	0.65	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 13:10

Field Sample #: SS-23

Sample ID: 10F0382-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Phenanthrene	0.53	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Pyrene	0.41	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:09	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	57.0	30-130							
2-Fluorophenol	46.4	30-130							
Phenol-d6	44.0	30-130							
Phenol-d6	64.2	30-130							
Nitrobenzene-d5	45.8	30-130							
Nitrobenzene-d5	50.0	30-130							
2-Fluorobiphenyl	50.8	30-130							
2-Fluorobiphenyl	45.0	30-130							
2,4,6-Tribromophenol	45.9	30-130							
2,4,6-Tribromophenol	57.6	30-130							
Terphenyl-d14	35.0	30-130							
Terphenyl-d14	46.3	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-23

Sampled: 6/14/2010 13:10

Sample ID: 10F0382-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	3.7	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:34	KSH
Arsenic	15	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:34	KSH
Barium	3900	27	mg/Kg dry	10		SW-846 6010B	6/15/10	6/17/10 10:21	KSH
Beryllium	2.8	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:32	KSH
Cadmium	4.7	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:34	KSH
Chromium	160	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH
Lead	630	0.82	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH
Mercury	0.087	0.026	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:13	MPF
Nickel	15	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:34	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:34	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH
Vanadium	14	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH
Zinc	1900	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:33	KSH

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-23

Sampled: 6/14/2010 13:10

Sample ID: 10F0382-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.5°C	6.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	88.4		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-22

Sampled: 6/14/2010 14:00

Sample ID: 10F0382-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Acetophenone	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Aniline	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Anthracene	0.37	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Benzo(a)anthracene	1.4	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Benzo(a)pyrene	1.2	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Benzo(b)fluoranthene	1.8	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Benzo(g,h,i)perylene	0.63	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Benzo(k)fluoranthene	0.64	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Bis(2-Ethylhexyl)phthalate	12	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 0:32	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Butylbenzylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Chrysene	1.5	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Di-n-butylphthalate	2.4	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
1,2-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
1,3-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
1,4-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Dimethylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Di-n-octylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Fluoranthene	3.0	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Indeno(1,2,3-cd)pyrene	0.76	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:00

Field Sample #: SS-22

Sample ID: 10F0382-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Phenanthrene	2.1	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Pyrene	2.0	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:38	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	57.2	30-130							
2-Fluorophenol	59.7	30-130							
Phenol-d6	55.0	30-130							
Phenol-d6	62.4	30-130							
Nitrobenzene-d5	56.1	30-130							
Nitrobenzene-d5	52.9	30-130							
2-Fluorobiphenyl	56.3	30-130							
2-Fluorobiphenyl	62.1	30-130							
2,4,6-Tribromophenol	59.6	30-130							
2,4,6-Tribromophenol	56.3	30-130							
Terphenyl-d14	42.2	30-130							
Terphenyl-d14	55.8	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-22

Sampled: 6/14/2010 14:00

Sample ID: 10F0382-15

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Arsenic	13	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Barium	4600	30	mg/Kg dry	10		SW-846 6010B	6/15/10	6/17/10 10:25	KSH
Beryllium	3.4	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:37	KSH
Cadmium	290	0.30	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Chromium	59	0.60	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Lead	280	0.90	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Mercury	0.16	0.025	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:15	MPF
Nickel	13	0.60	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Vanadium	20	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH
Zinc	330	1.2	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:38	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:00

Field Sample #: SS-22

Sample ID: 10F0382-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.5°C	5.5		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	82.9		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-21

Sampled: 6/14/2010 14:10

Sample ID: 10F0382-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Anthracene	0.34	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Benzo(a)anthracene	0.94	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Benzo(a)pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Benzo(b)fluoranthene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Benzo(g,h,i)perylene	0.69	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Benzo(k)fluoranthene	0.76	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Bis(2-Ethylhexyl)phthalate	1300	190	mg/Kg dry	500		SW-846 8270C	6/16/10	6/21/10 14:41	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Chrysene	1.4	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Di-n-butylphthalate	4.7	3.9	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 15:44	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Di-n-octylphthalate	11	7.6	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 15:44	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Fluoranthene	3.0	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Indeno(1,2,3-cd)pyrene	0.84	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:10

Field Sample #: SS-21

Sample ID: 10F0382-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Phenanthrene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/19/10 1:02	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	46.4	30-130							
2-Fluorophenol	*	30-130	S-01						
2-Fluorophenol	77.8	30-130							
Phenol-d6	77.5	30-130							
Phenol-d6	*	30-130	S-01						
Phenol-d6	51.6	30-130							
Nitrobenzene-d5	72.7	30-130							
Nitrobenzene-d5	49.3	30-130							
Nitrobenzene-d5	*	30-130	S-01						
2-Fluorobiphenyl	58.9	30-130							
2-Fluorobiphenyl	*	30-130	S-01						
2-Fluorobiphenyl	76.3	30-130							
2,4,6-Tribromophenol	*	30-130	S-01						
2,4,6-Tribromophenol	73.6	30-130							
2,4,6-Tribromophenol	63.8	30-130							
Terphenyl-d14	66.9	30-130							
Terphenyl-d14	*	30-130	S-01						
Terphenyl-d14	51.4	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-21

Sampled: 6/14/2010 14:10

Sample ID: 10F0382-16

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Arsenic	16	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Barium	1100	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Beryllium	3.1	0.29	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:42	KSH
Cadmium	12	0.29	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Chromium	55	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Lead	150	0.86	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Mercury	0.26	0.027	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:16	MPF
Nickel	18	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Vanadium	23	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH
Zinc	400	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:43	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:10

Field Sample #: SS-21

Sample ID: 10F0382-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.5°C	6.3		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	87.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-20

Sampled: 6/14/2010 14:20

Sample ID: 10F0382-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.2	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Acenaphthylene	ND	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Acetophenone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Anthracene	1.7	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Benzo(a)anthracene	2.9	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Benzo(a)pyrene	2.4	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Benzo(b)fluoranthene	3.4	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Benzo(g,h,i)perylene	1.1	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Benzo(k)fluoranthene	1.4	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Bis(2-Ethylhexyl)phthalate	22	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Butylbenzylphthalate	ND	3.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
4-Chloroaniline	ND	3.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Chrysene	2.8	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Dibenz(a,h)anthracene	ND	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Dibenzofuran	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
1,2-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
1,3-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
1,4-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
3,3-Dichlorobenzidine	ND	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Diethylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Dimethylphthalate	ND	3.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4-Dinitrophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Di-n-octylphthalate	ND	3.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Fluoranthene	5.8	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Fluorene	1.2	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Hexachlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Hexachloroethane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Indeno(1,2,3-cd)pyrene	1.2	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Isophorone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2-Methylnaphthalene	ND	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:20

Field Sample #: SS-20

Sample ID: 10F0382-17

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Naphthalene	2.6	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Nitrobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
4-Nitrophenol	ND	3.7	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Phenanthrene	6.1	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Phenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Pyrene	2.9	0.96	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/19/10 1:33	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	68.6	30-130							
Phenol-d6	60.0	30-130							
Nitrobenzene-d5	62.2	30-130							
2-Fluorobiphenyl	64.2	30-130							
2,4,6-Tribromophenol	71.8	30-130							
Terphenyl-d14	46.2	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-20

Sampled: 6/14/2010 14:20

Sample ID: 10F0382-17

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Arsenic	17	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Barium	340	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH
Beryllium	2.3	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:46	KSH
Cadmium	6.3	0.28	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Chromium	38	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH
Lead	120	0.83	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Mercury	0.057	0.028	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:18	MPF
Nickel	16	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:48	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH
Vanadium	17	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH
Zinc	570	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:47	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:20

Field Sample #: SS-20

Sample ID: 10F0382-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.5°C	5.6		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	87.9		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-19

Sampled: 6/14/2010 14:30

Sample ID: 10F0382-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Acenaphthylene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Acetophenone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Aniline	ND	2.0	mg/Kg dry	5	MS-09, R-06	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Anthracene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Benzo(a)anthracene	2.0	0.99	mg/Kg dry	5	MS-12, R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Benzo(a)pyrene	1.7	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Benzo(b)fluoranthene	2.2	0.99	mg/Kg dry	5	MS-12, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Benzo(g,h,i)perylene	ND	0.99	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Benzo(k)fluoranthene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Bis(2-chloroethoxy)methane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Bis(2-chloroethyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Bis(2-chloroisopropyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Bis(2-Ethylhexyl)phthalate	98	20	mg/Kg dry	50	MS-12, R-06	SW-846 8270C	6/16/10	6/18/10 21:04	BGL
4-Bromophenylphenylether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Butylbenzylphthalate	ND	3.8	mg/Kg dry	5	MS-12, R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
4-Chloroaniline	ND	3.8	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2-Chloronaphthalene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2-Chlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Chrysene	2.0	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Dibenz(a,h)anthracene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Dibenzofuran	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Di-n-butylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
1,2-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
1,3-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
1,4-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
3,3-Dichlorobenzidine	ND	0.99	mg/Kg dry	5	MS-09, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4-Dichlorophenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Diethylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4-Dimethylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Dimethylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4-Dinitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,6-Dinitrotoluene	ND	2.0	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Di-n-octylphthalate	ND	3.8	mg/Kg dry	5	MS-12, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Fluoranthene	3.6	0.99	mg/Kg dry	5	R-06, MS-12, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Fluorene	ND	0.99	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Hexachlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Hexachlorobutadiene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Hexachloroethane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Indeno(1,2,3-cd)pyrene	1.1	0.99	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Isophorone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2-Methylnaphthalene	ND	0.99	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-19

Sampled: 6/14/2010 14:30

Sample ID: 10F0382-18

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
3/4-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Naphthalene	ND	0.99	mg/Kg dry	5	R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Nitrobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2-Nitrophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
4-Nitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Pentachlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Phenanthrene	3.3	0.99	mg/Kg dry	5	MS-12, R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Phenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
Pyrene	3.0	0.99	mg/Kg dry	5	MS-12, R-06, RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
1,2,4-Trichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4,5-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL
2,4,6-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 19:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	67.6	30-130		6/18/10 19:25
2-Fluorophenol	*	30-130	S-01	6/18/10 21:04
Phenol-d6	70.8	30-130		6/18/10 19:25
Phenol-d6	*	30-130	S-01	6/18/10 21:04
Nitrobenzene-d5	58.1	30-130		6/18/10 19:25
Nitrobenzene-d5	*	30-130	S-01	6/18/10 21:04
2-Fluorobiphenyl	61.8	30-130		6/18/10 19:25
2-Fluorobiphenyl	*	30-130	S-01	6/18/10 21:04
2,4,6-Tribromophenol	64.2	30-130		6/18/10 19:25
2,4,6-Tribromophenol	*	30-130	S-01	6/18/10 21:04
Terphenyl-d14	53.2	30-130		6/18/10 19:25
Terphenyl-d14	*	30-130	S-01	6/18/10 21:04

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:30

Field Sample #: SS-19

Sample ID: 10F0382-18

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1	MS-07A	SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Arsenic	9.0	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Barium	460	2.9	mg/Kg dry	1	MS-19	SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Beryllium	2.0	0.29	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:26	KSH
Cadmium	1.8	0.29	mg/Kg dry	1	R-01	SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Chromium	35	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Lead	110	0.86	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Mercury	0.045	0.027	mg/Kg dry	1		SW-846 7471A	6/15/10	6/16/10 16:20	MPF
Nickel	11	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 12:27	KSH
Zinc	210	1.1	mg/Kg dry	1	MS-13	SW-846 6010B	6/15/10	6/16/10 12:27	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:30

Field Sample #: SS-19

Sample ID: 10F0382-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	150		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.5°C	5.4		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	86.1		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:40

Field Sample #: SS-18

Sample ID: 10F0382-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Benzo(a)anthracene	0.25	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Benzo(a)pyrene	0.31	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Benzo(b)fluoranthene	0.37	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Benzo(g,h,i)perylene	0.23	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Butylbenzylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Chrysene	0.26	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Dimethylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Fluoranthene	0.44	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Indeno(1,2,3-cd)pyrene	0.26	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-18

Sampled: 6/14/2010 14:40

Sample ID: 10F0382-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Pyrene	0.34	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:10	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	43.1		30-130				6/20/10 13:10		
Phenol-d6	43.4		30-130				6/20/10 13:10		
Nitrobenzene-d5	40.4		30-130				6/20/10 13:10		
2-Fluorobiphenyl	41.8		30-130				6/20/10 13:10		
2,4,6-Tribromophenol	41.5		30-130				6/20/10 13:10		
Terphenyl-d14	39.2		30-130				6/20/10 13:10		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-18

Sampled: 6/14/2010 14:40

Sample ID: 10F0382-19

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Arsenic	10	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Barium	20	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Beryllium	1.9	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:51	KSH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Chromium	16	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Lead	66	0.80	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Mercury	0.025	0.020	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:23	MPF
Nickel	12	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH
Zinc	45	1.1	mg/Kg dry	1		SW-846 6010B	6/15/10	6/16/10 14:52	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:40

Field Sample #: SS-18

Sample ID: 10F0382-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	160		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.7°C	5.7		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	92.1		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-17

Sampled: 6/14/2010 14:50

Sample ID: 10F0382-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-19	SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Fluoranthene	0.24	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-17

Sampled: 6/14/2010 14:50

Sample ID: 10F0382-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 13:39	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	73.8		30-130				6/20/10 13:39		
Phenol-d6	76.8		30-130				6/20/10 13:39		
Nitrobenzene-d5	72.0		30-130				6/20/10 13:39		
2-Fluorobiphenyl	67.0		30-130				6/20/10 13:39		
2,4,6-Tribromophenol	78.4		30-130				6/20/10 13:39		
Terphenyl-d14	67.7		30-130				6/20/10 13:39		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-17

Sampled: 6/14/2010 14:50

Sample ID: 10F0382-20

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Arsenic	21	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Barium	6300	32	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:23	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Cadmium	2.2	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Chromium	470	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Lead	320	0.95	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Mercury	0.052	0.026	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:25	MPF
Nickel	28	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Silver	ND	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Vanadium	20	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:16	OP
Zinc	8000	13	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:23	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 14:50

Field Sample #: SS-17

Sample ID: 10F0382-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	170		mV	1		SM2580 A	6/15/10	6/15/10 9:15	LL
pH @21.8°C	7.7		pH Units	1		SW-846 9045D	6/15/10	6/15/10 9:15	LL
% Solids	86.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:00

Field Sample #: SS-16

Sample ID: 10F0382-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Anthracene	0.24	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Benzo(a)anthracene	0.72	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Benzo(a)pyrene	0.60	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Benzo(b)fluoranthene	0.76	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Benzo(g,h,i)perylene	0.41	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Benzo(k)fluoranthene	0.37	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Bis(2-Ethylhexyl)phthalate	21	3.7	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 10:56	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Chrysene	0.72	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Di-n-butylphthalate	0.56	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Fluoranthene	1.2	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Indeno(1,2,3-cd)pyrene	0.48	0.18	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:00

Field Sample #: SS-16

Sample ID: 10F0382-21

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Phenanthrene	1.2	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Pyrene	1.4	0.18	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/16/10	6/20/10 12:14	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	101		30-130				6/20/10 12:14		
2-Fluorophenol	74.0		30-130				6/18/10 10:56		
Phenol-d6	74.5		30-130				6/18/10 10:56		
Phenol-d6	102		30-130				6/20/10 12:14		
Nitrobenzene-d5	63.9		30-130				6/18/10 10:56		
Nitrobenzene-d5	79.7		30-130				6/20/10 12:14		
2-Fluorobiphenyl	78.7		30-130				6/20/10 12:14		
2-Fluorobiphenyl	77.0		30-130				6/18/10 10:56		
2,4,6-Tribromophenol	94.8		30-130				6/18/10 10:56		
2,4,6-Tribromophenol	99.7		30-130				6/20/10 12:14		
Terphenyl-d14	89.9		30-130				6/20/10 12:14		
Terphenyl-d14	89.1		30-130				6/18/10 10:56		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:00

Field Sample #: SS-16

Sample ID: 10F0382-21

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:21	OP
Arsenic	9.2	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:21	OP
Barium	610	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:19	OP
Cadmium	1.4	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:21	OP
Chromium	84	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Lead	110	0.86	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Mercury	0.067	0.023	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:26	MPF
Nickel	9.1	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:21	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:21	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Vanadium	14	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP
Zinc	200	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:20	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:00

Field Sample #: SS-16

Sample ID: 10F0382-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22°C	5.9		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	92.7		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:05

Field Sample #: SS-15

Sample ID: 10F0382-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Acenaphthylene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Acetophenone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Aniline	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Benzo(a)anthracene	2.1	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Benzo(a)pyrene	1.6	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Benzo(b)fluoranthene	2.0	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Benzo(g,h,i)perylene	1.4	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Benzo(k)fluoranthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Bis(2-chloroethoxy)methane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Bis(2-chloroethyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Bis(2-chloroisopropyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Bis(2-Ethylhexyl)phthalate	120	20	mg/Kg dry	50		SW-846 8270C	6/16/10	6/18/10 11:29	BGL
4-Bromophenylphenylether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Butylbenzylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
4-Chloroaniline	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2-Chloronaphthalene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2-Chlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Chrysene	2.2	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Dibenz(a,h)anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Dibenzofuran	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Di-n-butylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
1,2-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
1,3-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
1,4-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
3,3-Dichlorobenzidine	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4-Dichlorophenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Diethylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4-Dimethylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Dimethylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4-Dinitrophenol	ND	3.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,6-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Di-n-octylphthalate	ND	3.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Fluoranthene	3.7	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Fluorene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Hexachlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Hexachlorobutadiene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Hexachloroethane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Indeno(1,2,3-cd)pyrene	1.6	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Isophorone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2-Methylnaphthalene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:05

Field Sample #: SS-15

Sample ID: 10F0382-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
3/4-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Naphthalene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Nitrobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2-Nitrophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
4-Nitrophenol	ND	3.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Pentachlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Phenanthrene	3.6	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Phenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Pyrene	4.0	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
1,2,4-Trichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4,5-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
2,4,6-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:05	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	*	30-130	S-01					6/18/10 11:29	
2-Fluorophenol	58.5	30-130						6/18/10 12:05	
Phenol-d6	56.1	30-130						6/18/10 12:05	
Phenol-d6	*	30-130	S-01					6/18/10 11:29	
Nitrobenzene-d5	53.2	30-130						6/18/10 12:05	
Nitrobenzene-d5	*	30-130	S-01					6/18/10 11:29	
2-Fluorobiphenyl	*	30-130	S-01					6/18/10 11:29	
2-Fluorobiphenyl	55.6	30-130						6/18/10 12:05	
2,4,6-Tribromophenol	64.7	30-130						6/18/10 12:05	
2,4,6-Tribromophenol	*	30-130	S-01					6/18/10 11:29	
Terphenyl-d14	60.8	30-130						6/18/10 12:05	
Terphenyl-d14	*	30-130	S-01					6/18/10 11:29	

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:05

Field Sample #: SS-15

Sample ID: 10F0382-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	12	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Arsenic	21	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Barium	2800	32	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:27	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:24	OP
Cadmium	3.2	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Chromium	290	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Lead	350	0.96	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Mercury	2.3	0.13	mg/Kg dry	5		SW-846 7471A	6/16/10	6/16/10 16:31	MPF
Nickel	17	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Silver	59	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Vanadium	24	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP
Zinc	610	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:25	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:05

Field Sample #: SS-15

Sample ID: 10F0382-22

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	150		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22°C	5.6		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	84.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-14

Sampled: 6/14/2010 15:15

Sample ID: 10F0382-23

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Acenaphthylene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Acetophenone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Anthracene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Benzo(a)anthracene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Benzo(a)pyrene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Benzo(b)fluoranthene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Benzo(g,h,i)perylene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Benzo(k)fluoranthene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Bis(2-Ethylhexyl)phthalate	770	78	mg/Kg dry	200		SW-846 8270C	6/16/10	6/18/10 17:54	BGL
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Butylbenzylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
4-Chloroaniline	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Chrysene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Dibenz(a,h)anthracene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Dibenzofuran	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
1,2-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
1,3-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
1,4-Dichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
3,3-Dichlorobenzidine	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Diethylphthalate	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Dimethylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4-Dinitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Di-n-octylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Fluoranthene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Fluorene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Hexachlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Hexachloroethane	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Isophorone	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2-Methylnaphthalene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:15

Field Sample #: SS-14

Sample ID: 10F0382-23

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Naphthalene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Nitrobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
4-Nitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Phenanthrene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Phenol	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
Pyrene	ND	0.97	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 12:35	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	*	30-130	S-01	6/18/10 17:54
2-Fluorophenol	37.0	30-130		6/18/10 12:35
Phenol-d6	*	30-130	S-01	6/18/10 17:54
Phenol-d6	40.1	30-130		6/18/10 12:35
Nitrobenzene-d5	*	30-130	S-01	6/18/10 17:54
Nitrobenzene-d5	36.0	30-130		6/18/10 12:35
2-Fluorobiphenyl	*	30-130	S-01	6/18/10 17:54
2-Fluorobiphenyl	41.1	30-130		6/18/10 12:35
2,4,6-Tribromophenol	*	30-130	S-01	6/18/10 17:54
2,4,6-Tribromophenol	52.3	30-130		6/18/10 12:35
Terphenyl-d14	*	30-130	S-01	6/18/10 17:54
Terphenyl-d14	36.8	30-130		6/18/10 12:35

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-14

Sampled: 6/14/2010 15:15

Sample ID: 10F0382-23

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:30	OP
Arsenic	10	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:30	OP
Barium	1500	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Cadmium	11	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:30	OP
Chromium	40	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Lead	240	0.95	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Mercury	0.12	0.025	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:30	MPF
Nickel	7.7	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:30	OP
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:30	OP
Silver	ND	0.64	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Vanadium	13	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP
Zinc	62	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:29	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:15

Field Sample #: SS-14

Sample ID: 10F0382-23

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	220		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.2°C	4.4		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	86.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-13

Sampled: 6/14/2010 15:25

Sample ID: 10F0382-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Acenaphthylene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Acetophenone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Aniline	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Anthracene	1.1	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Benzo(a)anthracene	2.8	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Benzo(a)pyrene	2.1	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Benzo(b)fluoranthene	2.7	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Benzo(g,h,i)perylene	1.2	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Benzo(k)fluoranthene	1.2	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Bis(2-chloroethoxy)methane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Bis(2-chloroethyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Bis(2-chloroisopropyl)ether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Bis(2-Ethylhexyl)phthalate	440	78	mg/Kg dry	200		SW-846 8270C	6/16/10	6/18/10 18:26	BGL
4-Bromophenylphenylether	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Butylbenzylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
4-Chloroaniline	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2-Chloronaphthalene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2-Chlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Chrysene	2.7	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Dibenz(a,h)anthracene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Dibenzofuran	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Di-n-butylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
1,2-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
1,3-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
1,4-Dichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
3,3-Dichlorobenzidine	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4-Dichlorophenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Diethylphthalate	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4-Dimethylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Dimethylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4-Dinitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,6-Dinitrotoluene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Di-n-octylphthalate	ND	3.8	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Fluoranthene	4.3	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Fluorene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Hexachlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Hexachlorobutadiene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Hexachloroethane	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Indeno(1,2,3-cd)pyrene	1.4	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Isophorone	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2-Methylnaphthalene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:25

Field Sample #: SS-13

Sample ID: 10F0382-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
3/4-Methylphenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Naphthalene	ND	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Nitrobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2-Nitrophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
4-Nitrophenol	ND	3.8	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Pentachlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Phenanthrene	5.3	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Phenol	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Pyrene	4.7	0.98	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
1,2,4-Trichlorobenzene	ND	2.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4,5-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
2,4,6-Trichlorophenol	ND	2.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:06	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	*	30-130	S-01				6/18/10 18:26		
2-Fluorophenol	54.1	30-130					6/18/10 13:06		
Phenol-d6	52.5	30-130					6/18/10 13:06		
Phenol-d6	*	30-130	S-01				6/18/10 18:26		
Nitrobenzene-d5	*	30-130	S-01				6/18/10 18:26		
Nitrobenzene-d5	48.2	30-130					6/18/10 13:06		
2-Fluorobiphenyl	*	30-130	S-01				6/18/10 18:26		
2-Fluorobiphenyl	52.3	30-130					6/18/10 13:06		
2,4,6-Tribromophenol	*	30-130	S-01				6/18/10 18:26		
2,4,6-Tribromophenol	59.5	30-130					6/18/10 13:06		
Terphenyl-d14	43.4	30-130					6/18/10 13:06		
Terphenyl-d14	*	30-130	S-01				6/18/10 18:26		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:25

Field Sample #: SS-13

Sample ID: 10F0382-24

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Arsenic	13	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Barium	490	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:33	OP
Cadmium	12	0.30	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Chromium	49	0.61	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Lead	220	0.91	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Mercury	0.30	0.024	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:31	MPF
Nickel	9.4	0.61	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Vanadium	18	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP
Zinc	130	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:34	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:25

Field Sample #: SS-13

Sample ID: 10F0382-24

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	220		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.1°C	5.0		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	87.0		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-12

Sampled: 6/14/2010 15:35

Sample ID: 10F0382-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Benzo(a)anthracene	0.53	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Benzo(a)pyrene	0.50	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Benzo(b)fluoranthene	0.75	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Benzo(g,h,i)perylene	0.24	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Benzo(k)fluoranthene	0.26	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Bis(2-Ethylhexyl)phthalate	1.5	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Chrysene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Di-n-butylphthalate	23	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 13:38	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Fluoranthene	0.86	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:35

Field Sample #: SS-12

Sample ID: 10F0382-25

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Phenanthrene	0.78	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Pyrene	0.66	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 14:59	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	60.3		30-130				6/18/10 13:38		
2-Fluorophenol	60.8		30-130				6/17/10 14:59		
Phenol-d6	59.8		30-130				6/18/10 13:38		
Phenol-d6	51.4		30-130				6/17/10 14:59		
Nitrobenzene-d5	52.7		30-130				6/18/10 13:38		
Nitrobenzene-d5	60.4		30-130				6/17/10 14:59		
2-Fluorobiphenyl	51.0		30-130				6/18/10 13:38		
2-Fluorobiphenyl	53.8		30-130				6/17/10 14:59		
2,4,6-Tribromophenol	58.9		30-130				6/18/10 13:38		
2,4,6-Tribromophenol	54.5		30-130				6/17/10 14:59		
Terphenyl-d14	60.8		30-130				6/18/10 13:38		
Terphenyl-d14	33.0		30-130				6/17/10 14:59		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-12

Sampled: 6/14/2010 15:35

Sample ID: 10F0382-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:39	OP
Arsenic	11	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:39	OP
Barium	640	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Cadmium	1.1	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:39	OP
Chromium	21	0.57	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Lead	130	0.86	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Mercury	0.14	0.021	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:33	MPF
Nickel	7.1	0.57	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:39	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:39	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Vanadium	16	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP
Zinc	100	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:38	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:35

Field Sample #: SS-12

Sample ID: 10F0382-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.2°C	5.4		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	86.9		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:45

Field Sample #: SS-11

Sample ID: 10F0382-26

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Anthracene	1.4	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Benzo(a)anthracene	2.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Benzo(a)pyrene	2.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Benzo(b)fluoranthene	3.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Benzo(g,h,i)perylene	0.75	0.19	mg/Kg dry	1	R-06, V-06	SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Benzo(k)fluoranthene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Bis(2-Ethylhexyl)phthalate	12	1.9	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:09	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Chrysene	2.8	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Dibenzofuran	0.41	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Di-n-butylphthalate	3.5	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	MS-12	SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Fluoranthene	5.5	0.97	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:09	BGL
Fluorene	0.64	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Indeno(1,2,3-cd)pyrene	0.89	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-11

Sampled: 6/14/2010 15:45

Sample ID: 10F0382-26

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1	R-06	SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1	MS-12	SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Phenanthrene	5.3	0.97	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:09	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Pyrene	4.9	0.97	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:09	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 15:32	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	55.8	30-130							
2-Fluorophenol	77.5	30-130							
Phenol-d6	48.5	30-130							
Phenol-d6	70.9	30-130							
Nitrobenzene-d5	51.8	30-130							
Nitrobenzene-d5	66.4	30-130							
2-Fluorobiphenyl	53.8	30-130							
2-Fluorobiphenyl	69.7	30-130							
2,4,6-Tribromophenol	54.5	30-130							
2,4,6-Tribromophenol	68.3	30-130							
Terphenyl-d14	55.3	30-130							
Terphenyl-d14	50.6	30-130							

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-11

Sampled: 6/14/2010 15:45

Sample ID: 10F0382-26

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1	MS-09	SW-846 6010B	6/16/10	6/16/10 14:04	OP
Arsenic	18	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:04	OP
Barium	420	2.9	mg/Kg dry	1	MS-19	SW-846 6010B	6/17/10	6/18/10 10:58	KSH
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:03	OP
Cadmium	3.1	0.30	mg/Kg dry	1	R-02	SW-846 6010B	6/16/10	6/16/10 14:04	OP
Chromium	43	0.57	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 10:58	KSH
Lead	290	0.90	mg/Kg dry	1	MS-19	SW-846 6010B	6/16/10	6/16/10 14:04	OP
Mercury	0.10	0.023	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:35	MPF
Nickel	13	0.57	mg/Kg dry	1		SW-846 6010B	6/17/10	6/18/10 10:59	KSH
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:04	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:04	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:04	OP
Vanadium	27	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:04	OP
Zinc	270	1.1	mg/Kg dry	1	MS-19	SW-846 6010B	6/17/10	6/18/10 10:58	KSH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:45

Field Sample #: SS-11

Sample ID: 10F0382-26

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.4°C	5.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	87.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-10

Sampled: 6/14/2010 15:50

Sample ID: 10F0382-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	2.0	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Anthracene	3.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Benzo(a)anthracene	6.4	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Benzo(a)pyrene	5.0	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Benzo(b)fluoranthene	6.0	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Benzo(g,h,i)perylene	2.2	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Benzo(k)fluoranthene	3.7	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Bis(2-Ethylhexyl)phthalate	93	19	mg/Kg dry	50		SW-846 8270C	6/16/10	6/18/10 13:11	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Butylbenzylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Chrysene	6.2	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Dibenz(a,h)anthracene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Dibenzofuran	2.0	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Di-n-butylphthalate	3.2	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Dimethylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Fluoranthene	10	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Fluorene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Indeno(1,2,3-cd)pyrene	2.7	0.19	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2-Methylnaphthalene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:50

Field Sample #: SS-10

Sample ID: 10F0382-27

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Naphthalene	2.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Phenanthrene	14	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
Pyrene	13	0.95	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 14:41	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 16:04	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	*	30-130	S-01	6/18/10 13:11
2-Fluorophenol	49.6	30-130		6/18/10 14:41
2-Fluorophenol	63.6	30-130		6/17/10 16:04
Phenol-d6	50.1	30-130		6/18/10 14:41
Phenol-d6	*	30-130	S-01	6/18/10 13:11
Phenol-d6	60.9	30-130		6/17/10 16:04
Nitrobenzene-d5	43.7	30-130		6/18/10 14:41
Nitrobenzene-d5	*	30-130	S-01	6/18/10 13:11
Nitrobenzene-d5	56.2	30-130		6/17/10 16:04
2-Fluorobiphenyl	*	30-130	S-01	6/18/10 13:11
2-Fluorobiphenyl	48.0	30-130		6/18/10 14:41
2-Fluorobiphenyl	55.8	30-130		6/17/10 16:04
2,4,6-Tribromophenol	*	30-130	S-01	6/18/10 13:11
2,4,6-Tribromophenol	46.4	30-130		6/18/10 14:41
2,4,6-Tribromophenol	54.5	30-130		6/17/10 16:04
Terphenyl-d14	*	30-130	S-01	6/18/10 13:11
Terphenyl-d14	50.7	30-130		6/18/10 14:41
Terphenyl-d14	36.2	30-130		6/17/10 16:04

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:50

Field Sample #: SS-10

Sample ID: 10F0382-27

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Arsenic	11	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Barium	840	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:42	OP
Cadmium	4.3	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Chromium	61	0.59	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Lead	140	0.88	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Mercury	0.097	0.018	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:46	MPF
Nickel	15	0.59	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Vanadium	18	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP
Zinc	260	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 14:43	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:50

Field Sample #: SS-10

Sample ID: 10F0382-27

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	150		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.2°C	6.0		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	88.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-9

Sampled: 6/14/2010 15:55

Sample ID: 10F0382-28

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Anthracene	0.32	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Benzo(a)anthracene	1.5	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Benzo(a)pyrene	1.4	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Benzo(b)fluoranthene	1.6	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Benzo(g,h,i)perylene	0.69	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Benzo(k)fluoranthene	0.67	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Bis(2-Ethylhexyl)phthalate	53	9.9	mg/Kg dry	25		SW-846 8270C	6/16/10	6/18/10 13:42	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Chrysene	1.5	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Di-n-butylphthalate	0.56	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Fluoranthene	2.6	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Indeno(1,2,3-cd)pyrene	0.76	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-9

Sampled: 6/14/2010 15:55

Sample ID: 10F0382-28

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Phenanthrene	1.7	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Pyrene	2.9	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:15	BGL
Surrogates	% Recovery	Recovery Limits			Flag				
2-Fluorophenol	*	30-130			S-01			6/18/10 13:42	
2-Fluorophenol	67.6	30-130						6/18/10 15:15	
Phenol-d6	64.6	30-130						6/18/10 15:15	
Phenol-d6	*	30-130			S-01			6/18/10 13:42	
Nitrobenzene-d5	61.0	30-130						6/18/10 15:15	
Nitrobenzene-d5	*	30-130			S-01			6/18/10 13:42	
2-Fluorobiphenyl	*	30-130			S-01			6/18/10 13:42	
2-Fluorobiphenyl	61.7	30-130						6/18/10 15:15	
2,4,6-Tribromophenol	75.7	30-130						6/18/10 15:15	
2,4,6-Tribromophenol	*	30-130			S-01			6/18/10 13:42	
Terphenyl-d14	62.4	30-130						6/18/10 15:15	
Terphenyl-d14	*	30-130			S-01			6/18/10 13:42	

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-9

Sampled: 6/14/2010 15:55

Sample ID: 10F0382-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Arsenic	12	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Barium	250	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:00	OP
Cadmium	2.3	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Chromium	26	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP
Lead	69	0.95	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Mercury	0.042	0.021	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:47	MPF
Nickel	10	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:02	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP
Vanadium	19	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP
Zinc	100	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:01	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 15:55

Field Sample #: SS-9

Sample ID: 10F0382-28

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	170		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.4°C	5.9		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	85.2		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-8

Sampled: 6/14/2010 16:00

Sample ID: 10F0382-29

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Benzo(a)anthracene	0.42	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Benzo(a)pyrene	0.37	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Benzo(b)fluoranthene	0.45	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Benzo(g,h,i)perylene	0.22	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Bis(2-Ethylhexyl)phthalate	20	4.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 14:13	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Chrysene	0.45	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Fluoranthene	0.80	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Indeno(1,2,3-cd)pyrene	0.25	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:00

Field Sample #: SS-8

Sample ID: 10F0382-29

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Phenanthrene	0.60	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Pyrene	0.77	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	50.9		30-130				6/18/10 14:13		
2-Fluorophenol	72.9		30-130				6/18/10 15:48		
Phenol-d6	64.0		30-130				6/18/10 15:48		
Phenol-d6	44.4		30-130				6/18/10 14:13		
Nitrobenzene-d5	66.3		30-130				6/18/10 15:48		
Nitrobenzene-d5	43.0		30-130				6/18/10 14:13		
2-Fluorobiphenyl	55.8		30-130				6/18/10 14:13		
2-Fluorobiphenyl	65.4		30-130				6/18/10 15:48		
2,4,6-Tribromophenol	71.4		30-130				6/18/10 14:13		
2,4,6-Tribromophenol	85.5		30-130				6/18/10 15:48		
Terphenyl-d14	65.2		30-130				6/18/10 15:48		
Terphenyl-d14	65.2		30-130				6/18/10 14:13		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-8

Sampled: 6/14/2010 16:00

Sample ID: 10F0382-29

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Arsenic	10	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Barium	42	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:05	OP
Cadmium	1.1	0.30	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Chromium	18	0.60	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Lead	27	0.91	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Mercury	0.072	0.020	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:49	MPF
Nickel	7.1	0.60	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Vanadium	16	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP
Zinc	40	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:06	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:00

Field Sample #: SS-8

Sample ID: 10F0382-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	200		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.8°C	5.3		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	85.6		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-7

Sampled: 6/14/2010 16:05

Sample ID: 10F0382-30

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Acenaphthylene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Acetophenone	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Aniline	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Anthracene	1.2	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Benzo(a)anthracene	1.9	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Benzo(a)pyrene	1.4	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Benzo(b)fluoranthene	1.7	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Benzo(g,h,i)perylene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Benzo(k)fluoranthene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Bis(2-chloroethoxy)methane	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Bis(2-chloroethyl)ether	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Bis(2-chloroisopropyl)ether	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Bis(2-Ethylhexyl)phthalate	17	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
4-Bromophenylphenylether	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Butylbenzylphthalate	ND	4.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
4-Chloroaniline	ND	4.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2-Chloronaphthalene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2-Chlorophenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Chrysene	1.9	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Dibenz(a,h)anthracene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Dibenzofuran	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Di-n-butylphthalate	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
1,2-Dichlorobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
1,3-Dichlorobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
1,4-Dichlorobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
3,3-Dichlorobenzidine	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4-Dichlorophenol	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Diethylphthalate	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4-Dimethylphenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Dimethylphthalate	ND	4.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4-Dinitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4-Dinitrotoluene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,6-Dinitrotoluene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Di-n-octylphthalate	ND	4.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Fluoranthene	3.0	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Fluorene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Hexachlorobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Hexachlorobutadiene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Hexachloroethane	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Indeno(1,2,3-cd)pyrene	1.1	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Isophorone	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2-Methylnaphthalene	ND	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-7

Sampled: 6/14/2010 16:05

Sample ID: 10F0382-30

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
3/4-Methylphenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Naphthalene	1.8	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Nitrobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2-Nitrophenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
4-Nitrophenol	ND	4.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Pentachlorophenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Phenanthrene	4.4	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Phenol	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Pyrene	2.8	1.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
1,2,4-Trichlorobenzene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4,5-Trichlorophenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
2,4,6-Trichlorophenol	ND	2.1	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 16:20	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	50.4		30-130				6/18/10 16:20		
Phenol-d6	51.2		30-130				6/18/10 16:20		
Nitrobenzene-d5	41.2		30-130				6/18/10 16:20		
2-Fluorobiphenyl	46.8		30-130				6/18/10 16:20		
2,4,6-Tribromophenol	45.6		30-130				6/18/10 16:20		
Terphenyl-d14	45.5		30-130				6/18/10 16:20		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-7

Sampled: 6/14/2010 16:05

Sample ID: 10F0382-30

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:11	OP
Arsenic	15	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:11	OP
Barium	380	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:09	OP
Cadmium	7.2	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:11	OP
Chromium	47	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Lead	170	0.94	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Mercury	0.064	0.023	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:50	MPF
Nickel	17	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:11	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:11	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Vanadium	20	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP
Zinc	710	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:10	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:05

Field Sample #: SS-7

Sample ID: 10F0382-30

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	170		mV	1		SM2580 A	6/15/10	6/15/10 10:20	LL
pH @22.9°C	5.9		pH Units	1		SW-846 9045D	6/15/10	6/15/10 10:20	LL
% Solids	81.5		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-1

Sampled: 6/14/2010 00:00

Sample ID: 10F0382-31

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.22	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Anthracene	0.44	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Benzo(a)anthracene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Benzo(a)pyrene	0.91	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Benzo(b)fluoranthene	1.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Benzo(g,h,i)perylene	0.48	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Benzo(k)fluoranthene	0.46	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Bis(2-Ethylhexyl)phthalate	54	9.7	mg/Kg dry	25		SW-846 8270C	6/16/10	6/18/10 14:44	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Chrysene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Di-n-butylphthalate	0.44	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Fluoranthene	2.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Fluorene	0.24	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Indeno(1,2,3-cd)pyrene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-1

Sampled: 6/14/2010 00:00

Sample ID: 10F0382-31

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Phenanthrene	2.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Pyrene	1.9	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 16:52	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	*	30-130	S-01		6/18/10 14:44				
2-Fluorophenol	76.4	30-130			6/18/10 16:52				
Phenol-d6	70.3	30-130			6/18/10 16:52				
Phenol-d6	*	30-130	S-01		6/18/10 14:44				
Nitrobenzene-d5	73.0	30-130			6/18/10 16:52				
Nitrobenzene-d5	*	30-130	S-01		6/18/10 14:44				
2-Fluorobiphenyl	*	30-130	S-01		6/18/10 14:44				
2-Fluorobiphenyl	71.6	30-130			6/18/10 16:52				
2,4,6-Tribromophenol	95.3	30-130			6/18/10 16:52				
2,4,6-Tribromophenol	*	30-130	S-01		6/18/10 14:44				
Terphenyl-d14	*	30-130	S-01		6/18/10 14:44				
Terphenyl-d14	65.5	30-130			6/18/10 16:52				

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-1

Sampled: 6/14/2010 00:00

Sample ID: 10F0382-31

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Arsenic	12	2.6	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Barium	51	2.6	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Beryllium	ND	0.26	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:14	OP
Cadmium	2.0	0.26	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Chromium	16	0.53	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Lead	29	0.79	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Mercury	0.034	0.024	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:52	MPF
Nickel	6.4	0.53	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Thallium	ND	2.6	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Vanadium	14	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP
Zinc	45	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:15	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 00:00

Field Sample #: DUP-1

Sample ID: 10F0382-31

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	120		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.5°C	5.3		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	87.8		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-6

Sampled: 6/14/2010 16:10

Sample ID: 10F0382-32

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Anthracene	0.20	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Benzo(a)anthracene	0.81	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Benzo(a)pyrene	0.84	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Benzo(b)fluoranthene	0.98	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Benzo(g,h,i)perylene	0.49	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Benzo(k)fluoranthene	0.42	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Bis(2-Ethylhexyl)phthalate	2.4	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Butylbenzylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Chrysene	0.83	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Dimethylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Fluoranthene	1.5	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Indeno(1,2,3-cd)pyrene	0.56	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:10

Field Sample #: SS-6

Sample ID: 10F0382-32

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Phenanthrene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Pyrene	1.6	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:24	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	81.0		30-130				6/18/10 17:24		
Phenol-d6	78.2		30-130				6/18/10 17:24		
Nitrobenzene-d5	69.2		30-130				6/18/10 17:24		
2-Fluorobiphenyl	70.0		30-130				6/18/10 17:24		
2,4,6-Tribromophenol	92.8		30-130				6/18/10 17:24		
Terphenyl-d14	67.4		30-130				6/18/10 17:24		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:10

Field Sample #: SS-6

Sample ID: 10F0382-32

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:20	OP
Arsenic	14	2.7	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:20	OP
Barium	59	2.7	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Beryllium	ND	0.27	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Cadmium	0.39	0.27	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:20	OP
Chromium	13	0.55	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Lead	96	0.82	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Mercury	0.14	0.025	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:54	MPF
Nickel	5.0	0.55	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:20	OP
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:20	OP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Vanadium	14	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP
Zinc	42	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:19	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:10

Field Sample #: SS-6

Sample ID: 10F0382-32

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	150		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.7°C	4.6		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	89.6		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-5

Sampled: 6/14/2010 16:15

Sample ID: 10F0382-33

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Anthracene	0.32	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Benzo(a)anthracene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Benzo(a)pyrene	0.99	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Benzo(b)fluoranthene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Benzo(g,h,i)perylene	0.50	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Benzo(k)fluoranthene	0.50	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Bis(2-Ethylhexyl)phthalate	1.4	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Butylbenzylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Chrysene	1.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Di-n-butylphthalate	0.60	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Dimethylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Fluoranthene	1.7	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Indeno(1,2,3-cd)pyrene	0.55	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-5

Sampled: 6/14/2010 16:15

Sample ID: 10F0382-33

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Phenanthrene	1.7	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Pyrene	1.7	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 17:56	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	87.6		30-130				6/18/10 17:56		
Phenol-d6	77.1		30-130				6/18/10 17:56		
Nitrobenzene-d5	80.4		30-130				6/18/10 17:56		
2-Fluorobiphenyl	85.5		30-130				6/18/10 17:56		
2,4,6-Tribromophenol	84.9		30-130				6/18/10 17:56		
Terphenyl-d14	59.6		30-130				6/18/10 17:56		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:15

Field Sample #: SS-5

Sample ID: 10F0382-33

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Arsenic	15	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Barium	160	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:23	OP
Cadmium	0.61	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Chromium	25	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Lead	130	0.93	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Mercury	0.12	0.025	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:55	MPF
Nickel	4.9	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Vanadium	14	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP
Zinc	84	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:24	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:15

Field Sample #: SS-5

Sample ID: 10F0382-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	160		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.8°C	4.9		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	88.8		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-4

Sampled: 6/14/2010 16:20

Sample ID: 10F0382-34

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.42	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Anthracene	0.71	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Benzo(a)anthracene	2.5	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Benzo(a)pyrene	2.1	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Benzo(b)fluoranthene	2.8	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Benzo(g,h,i)perylene	1.0	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Benzo(k)fluoranthene	1.1	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Bis(2-Ethylhexyl)phthalate	420	83	mg/Kg dry	200		SW-846 8270C	6/16/10	6/18/10 18:57	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Chrysene	2.9	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Di-n-butylphthalate	2.7	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Fluoranthene	3.7	1.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 18:28	BGL
Fluorene	0.32	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Indeno(1,2,3-cd)pyrene	1.1	0.21	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:20

Field Sample #: SS-4

Sample ID: 10F0382-34

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Naphthalene	0.26	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Phenanthrene	4.1	1.0	mg/Kg dry	5		SW-846 8270C	6/16/10	6/18/10 18:28	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
Pyrene	4.7	0.21	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 17:43	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	57.5	30-130		6/18/10 18:28
2-Fluorophenol	*	30-130	S-01	6/18/10 18:57
2-Fluorophenol	81.7	30-130		6/17/10 17:43
Phenol-d6	*	30-130	S-01	6/18/10 18:57
Phenol-d6	79.2	30-130		6/17/10 17:43
Phenol-d6	49.8	30-130		6/18/10 18:28
Nitrobenzene-d5	*	30-130	S-01	6/18/10 18:57
Nitrobenzene-d5	56.4	30-130		6/18/10 18:28
Nitrobenzene-d5	70.8	30-130		6/17/10 17:43
2-Fluorobiphenyl	54.7	30-130		6/18/10 18:28
2-Fluorobiphenyl	*	30-130	S-01	6/18/10 18:57
2-Fluorobiphenyl	83.0	30-130		6/17/10 17:43
2,4,6-Tribromophenol	60.3	30-130		6/18/10 18:28
2,4,6-Tribromophenol	*	30-130	S-01	6/18/10 18:57
2,4,6-Tribromophenol	70.0	30-130		6/17/10 17:43
Terphenyl-d14	*	30-130	S-01	6/18/10 18:57
Terphenyl-d14	63.1	30-130		6/17/10 17:43
Terphenyl-d14	41.0	30-130		6/18/10 18:28

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-4

Sampled: 6/14/2010 16:20

Sample ID: 10F0382-34

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:29	OP
Arsenic	9.3	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:29	OP
Barium	2900	29	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:32	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:27	OP
Cadmium	8.0	0.29	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:29	OP
Chromium	49	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP
Lead	180	0.87	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP
Mercury	0.12	0.018	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 14:57	MPF
Nickel	9.2	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:29	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:29	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP
Vanadium	15	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP
Zinc	580	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:28	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:20

Field Sample #: SS-4

Sample ID: 10F0382-34

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	180		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	5.6		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	81.7		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:25

Field Sample #: SS-3

Sample ID: 10F0382-35

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Acetophenone	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Aniline	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Benzo(a)anthracene	0.61	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Benzo(a)pyrene	0.60	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Benzo(b)fluoranthene	0.91	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Benzo(g,h,i)perylene	0.30	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Benzo(k)fluoranthene	0.36	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Bis(2-Ethylhexyl)phthalate	22	4.1	mg/Kg dry	10		SW-846 8270C	6/16/10	6/18/10 15:48	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Butylbenzylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
4-Chloroaniline	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Chrysene	0.64	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Di-n-butylphthalate	4.0	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
1,2-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
1,3-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
1,4-Dichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Dimethylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4-Dinitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Di-n-octylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Fluoranthene	0.94	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Indeno(1,2,3-cd)pyrene	0.38	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-3

Sampled: 6/14/2010 16:25

Sample ID: 10F0382-35

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
4-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Pentachlorophenol	0.48	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Phenanthrene	0.86	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Pyrene	0.65	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:00	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	46.9		30-130				6/18/10 15:48		
2-Fluorophenol	79.6		30-130				6/18/10 19:00		
Phenol-d6	71.0		30-130				6/18/10 19:00		
Phenol-d6	43.9		30-130				6/18/10 15:48		
Nitrobenzene-d5	84.2		30-130				6/18/10 19:00		
Nitrobenzene-d5	42.7		30-130				6/18/10 15:48		
2-Fluorobiphenyl	63.0		30-130				6/18/10 15:48		
2-Fluorobiphenyl	80.1		30-130				6/18/10 19:00		
2,4,6-Tribromophenol	75.1		30-130				6/18/10 19:00		
2,4,6-Tribromophenol	79.4		30-130				6/18/10 15:48		
Terphenyl-d14	48.5		30-130				6/18/10 19:00		
Terphenyl-d14	69.2		30-130				6/18/10 15:48		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-3

Sampled: 6/14/2010 16:25

Sample ID: 10F0382-35

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Arsenic	18	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Barium	6100	31	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:36	OP
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:32	OP
Cadmium	18	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Chromium	230	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Lead	700	0.94	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Mercury	0.22	0.023	mg/Kg dry	1		SW-846 7471A	6/16/10	6/16/10 15:03	MPF
Nickel	12	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Vanadium	14	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP
Zinc	2400	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:33	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:25

Field Sample #: SS-3

Sample ID: 10F0382-35

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	200		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	6.4		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	83.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-2

Sampled: 6/14/2010 16:30

Sample ID: 10F0382-36

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Benzo(b)fluoranthene	0.24	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Bis(2-Ethylhexyl)phthalate	3.8	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Chrysene	0.21	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Di-n-butylphthalate	0.88	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Fluoranthene	0.33	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:30

Field Sample #: SS-2

Sample ID: 10F0382-36

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Phenanthrene	0.28	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Pyrene	0.21	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 19:31	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	81.7		30-130				6/18/10 19:31		
Phenol-d6	71.0		30-130				6/18/10 19:31		
Nitrobenzene-d5	80.0		30-130				6/18/10 19:31		
2-Fluorobiphenyl	80.7		30-130				6/18/10 19:31		
2,4,6-Tribromophenol	76.8		30-130				6/18/10 19:31		
Terphenyl-d14	55.5		30-130				6/18/10 19:31		

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-2

Sampled: 6/14/2010 16:30

Sample ID: 10F0382-36

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	21	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Arsenic	36	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Barium	7000	32	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:39	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Cadmium	57	0.32	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Chromium	450	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Lead	570	0.95	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Mercury	0.063	0.026	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 14:41	MPF
Nickel	15	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Vanadium	17	1.3	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:36	OP
Zinc	3700	13	mg/Kg dry	10		SW-846 6010B	6/16/10	6/16/10 16:39	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:30

Field Sample #: SS-2

Sample ID: 10F0382-36

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	190		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	7.1		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	85.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-1

Sampled: 6/14/2010 16:35

Sample ID: 10F0382-37

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.7	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Anthracene	3.5	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Benzo(a)anthracene	7.8	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(a)pyrene	6.1	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(b)fluoranthene	8.2	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Benzo(g,h,i)perylene	2.9	0.20	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Benzo(k)fluoranthene	3.7	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Bis(2-Ethylhexyl)phthalate	230	40	mg/Kg dry	100		SW-846 8270C	6/16/10	6/18/10 16:51	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Butylbenzylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Chrysene	7.6	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Dibenz(a,h)anthracene	0.96	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Dibenzofuran	1.7	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Di-n-butylphthalate	4.3	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Dimethylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Di-n-octylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Fluoranthene	14	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Fluorene	1.5	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Indeno(1,2,3-cd)pyrene	3.7	0.20	mg/Kg dry	1	V-06	SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2-Methylnaphthalene	0.74	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:35

Field Sample #: SS-1

Sample ID: 10F0382-37

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Naphthalene	1.4	0.20	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Phenanthrene	15	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Pyrene	13	2.0	mg/Kg dry	10		SW-846 8270C	6/16/10	6/20/10 11:39	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	6/16/10	6/17/10 18:16	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	69.5	30-130							
2-Fluorophenol	*	30-130	S-01						
2-Fluorophenol	90.0	30-130							
Phenol-d6	88.9	30-130							
Phenol-d6	*	30-130	S-01						
Phenol-d6	62.0	30-130							
Nitrobenzene-d5	63.7	30-130							
Nitrobenzene-d5	80.2	30-130							
Nitrobenzene-d5	*	30-130	S-01						
2-Fluorobiphenyl	94.4	30-130							
2-Fluorobiphenyl	68.2	30-130							
2-Fluorobiphenyl	*	30-130	S-01						
2,4,6-Tribromophenol	63.4	30-130							
2,4,6-Tribromophenol	72.0	30-130							
2,4,6-Tribromophenol	*	30-130	S-01						
Terphenyl-d14	73.5	30-130							
Terphenyl-d14	67.6	30-130							
Terphenyl-d14	*	30-130	S-01						

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: SS-1

Sampled: 6/14/2010 16:35

Sample ID: 10F0382-37

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Arsenic	14	2.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Barium	1700	2.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:40	OP
Cadmium	5.7	0.28	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Chromium	71	0.56	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Lead	190	0.84	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Mercury	0.13	0.022	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 14:43	MPF
Nickel	16	0.56	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Vanadium	22	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP
Zinc	450	1.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 15:41	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:35

Field Sample #: SS-1

Sample ID: 10F0382-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	130		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	5.8		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	84.6		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-2

Sampled: 6/14/2010 16:35

Sample ID: 10F0382-38

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Anthracene	0.23	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Benzo(a)anthracene	0.90	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Benzo(a)pyrene	0.80	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Benzo(b)fluoranthene	1.2	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Benzo(g,h,i)perylene	0.49	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Benzo(k)fluoranthene	0.50	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Bis(2-Ethylhexyl)phthalate	2.7	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Chrysene	0.98	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Di-n-butylphthalate	39	7.8	mg/Kg dry	20		SW-846 8270C	6/16/10	6/18/10 17:23	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Fluoranthene	1.8	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-2

Sampled: 6/14/2010 16:35

Sample ID: 10F0382-38

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Phenanthrene	1.4	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
Pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/16/10	6/18/10 20:02	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	78.7	30-130		6/18/10 20:02
2-Fluorophenol	*	30-130	S-01	6/18/10 17:23
Phenol-d6	*	30-130	S-01	6/18/10 17:23
Phenol-d6	78.0	30-130		6/18/10 20:02
Nitrobenzene-d5	*	30-130	S-01	6/18/10 17:23
Nitrobenzene-d5	74.4	30-130		6/18/10 20:02
2-Fluorobiphenyl	79.7	30-130		6/18/10 20:02
2-Fluorobiphenyl	*	30-130	S-01	6/18/10 17:23
2,4,6-Tribromophenol	80.7	30-130		6/18/10 20:02
2,4,6-Tribromophenol	*	30-130	S-01	6/18/10 17:23
Terphenyl-d14	*	30-130	S-01	6/18/10 17:23
Terphenyl-d14	53.6	30-130		6/18/10 20:02

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Field Sample #: DUP-2

Sampled: 6/14/2010 16:35

Sample ID: 10F0382-38

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Arsenic	10	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Barium	420	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:06	OP
Cadmium	0.99	0.31	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Chromium	21	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Lead	120	0.93	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Mercury	0.10	0.027	mg/Kg dry	1		SW-846 7471A	6/17/10	6/17/10 14:49	MPF
Nickel	6.5	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Vanadium	14	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP
Zinc	95	1.2	mg/Kg dry	1		SW-846 6010B	6/16/10	6/16/10 16:07	OP

Project Location: Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0382

Date Received: 6/14/2010

Sampled: 6/14/2010 16:35

Field Sample #: DUP-2

Sample ID: 10F0382-38

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Oxidation/Reduction Potential	140		mV	1		SM2580 A	6/15/10	6/15/10 11:30	LL
pH @22.9°C	5.2		pH Units	1		SW-846 9045D	6/15/10	6/15/10 11:30	LL
% Solids	87.3		% Wt	1		SM 2540G	6/16/10	6/16/10 15:42	NH

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10F0382-01 [SS-36]	B014976	06/16/10
10F0382-02 [SS-35]	B014976	06/16/10
10F0382-03 [SS-34]	B014976	06/16/10
10F0382-04 [SS-33]	B014976	06/16/10
10F0382-05 [SS-32]	B014976	06/16/10
10F0382-06 [SS-31]	B014976	06/16/10
10F0382-07 [SS-30]	B014976	06/16/10
10F0382-08 [SS-29]	B014976	06/16/10
10F0382-09 [SS-28]	B014976	06/16/10
10F0382-10 [SS-27]	B014976	06/16/10
10F0382-11 [SS-26]	B014976	06/16/10
10F0382-12 [SS-25]	B014976	06/16/10
10F0382-13 [SS-24]	B014976	06/16/10
10F0382-14 [SS-23]	B014976	06/16/10
10F0382-15 [SS-22]	B014976	06/16/10
10F0382-16 [SS-21]	B014976	06/16/10
10F0382-17 [SS-20]	B014976	06/16/10
10F0382-18 [SS-19]	B014976	06/16/10
10F0382-19 [SS-18]	B014976	06/16/10
10F0382-20 [SS-17]	B014976	06/16/10
10F0382-21 [SS-16]	B014976	06/16/10
10F0382-22 [SS-15]	B014976	06/16/10
10F0382-23 [SS-14]	B014976	06/16/10
10F0382-24 [SS-13]	B014976	06/16/10
10F0382-25 [SS-12]	B014976	06/16/10
10F0382-26 [SS-11]	B014976	06/16/10
10F0382-27 [SS-10]	B014976	06/16/10
10F0382-28 [SS-9]	B014976	06/16/10
10F0382-29 [SS-8]	B014976	06/16/10
10F0382-30 [SS-7]	B014976	06/16/10
10F0382-31 [DUP-1]	B014976	06/16/10
10F0382-32 [SS-6]	B014976	06/16/10
10F0382-33 [SS-5]	B014976	06/16/10
10F0382-34 [SS-4]	B014976	06/16/10
10F0382-35 [SS-3]	B014976	06/16/10
10F0382-36 [SS-2]	B014976	06/16/10
10F0382-37 [SS-1]	B014976	06/16/10
10F0382-38 [DUP-2]	B014976	06/16/10

SM2580 A

Lab Number [Field ID]	Batch	Initial [g]	Date
10F0382-01 [SS-36]	B014948	20.0	06/15/10
10F0382-02 [SS-35]	B014948	20.0	06/15/10
10F0382-03 [SS-34]	B014948	20.0	06/15/10
10F0382-04 [SS-33]	B014948	20.0	06/15/10
10F0382-05 [SS-32]	B014948	20.0	06/15/10
10F0382-06 [SS-31]	B014948	20.0	06/15/10
10F0382-07 [SS-30]	B014948	20.0	06/15/10
10F0382-08 [SS-29]	B014948	20.0	06/15/10
10F0382-09 [SS-28]	B014948	20.0	06/15/10
10F0382-10 [SS-27]	B014948	20.0	06/15/10
10F0382-11 [SS-26]	B014948	20.0	06/15/10
10F0382-12 [SS-25]	B014948	20.0	06/15/10

Sample Extraction Data

SM2580 A

Lab Number [Field ID]	Batch	Initial [g]	Date
10F0382-13 [SS-24]	B014948	20.0	06/15/10
10F0382-14 [SS-23]	B014948	20.0	06/15/10
10F0382-15 [SS-22]	B014948	20.0	06/15/10
10F0382-16 [SS-21]	B014948	20.0	06/15/10
10F0382-17 [SS-20]	B014948	20.0	06/15/10
10F0382-18 [SS-19]	B014948	20.0	06/15/10
10F0382-19 [SS-18]	B014948	20.0	06/15/10
10F0382-20 [SS-17]	B014948	20.0	06/15/10
10F0382-21 [SS-16]	B014948	20.0	06/15/10
10F0382-22 [SS-15]	B014948	20.0	06/15/10
10F0382-23 [SS-14]	B014948	20.0	06/15/10
10F0382-24 [SS-13]	B014948	20.0	06/15/10
10F0382-25 [SS-12]	B014948	20.0	06/15/10
10F0382-26 [SS-11]	B014948	20.0	06/15/10
10F0382-27 [SS-10]	B014948	20.0	06/15/10
10F0382-28 [SS-9]	B014948	20.0	06/15/10
10F0382-29 [SS-8]	B014948	20.0	06/15/10
10F0382-30 [SS-7]	B014948	20.0	06/15/10
10F0382-31 [DUP-1]	B014948	20.0	06/15/10
10F0382-32 [SS-6]	B014948	20.0	06/15/10
10F0382-33 [SS-5]	B014948	20.0	06/15/10
10F0382-34 [SS-4]	B014948	20.0	06/15/10
10F0382-35 [SS-3]	B014948	20.0	06/15/10
10F0382-36 [SS-2]	B014948	20.0	06/15/10
10F0382-37 [SS-1]	B014948	20.0	06/15/10
10F0382-38 [DUP-2]	B014948	20.0	06/15/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-01 [SS-36]	B014955	1.03	50.0	06/15/10
10F0382-02 [SS-35]	B014955	1.01	50.0	06/15/10
10F0382-03 [SS-34]	B014955	1.04	50.0	06/15/10
10F0382-04 [SS-33]	B014955	1.02	50.0	06/15/10
10F0382-05 [SS-32]	B014955	1.01	50.0	06/15/10
10F0382-06 [SS-31]	B014955	1.01	50.0	06/15/10
10F0382-07 [SS-30]	B014955	1.00	50.0	06/15/10
10F0382-08 [SS-29]	B014955	1.02	50.0	06/15/10
10F0382-09 [SS-28]	B014955	1.03	50.0	06/15/10
10F0382-10 [SS-27]	B014955	1.01	50.0	06/15/10
10F0382-11 [SS-26]	B014955	1.03	50.0	06/15/10
10F0382-12 [SS-25]	B014955	1.01	50.0	06/15/10
10F0382-13 [SS-24]	B014955	0.999	50.0	06/15/10
10F0382-14 [SS-23]	B014955	1.03	50.0	06/15/10
10F0382-15 [SS-22]	B014955	1.01	50.0	06/15/10
10F0382-16 [SS-21]	B014955	1.00	50.0	06/15/10
10F0382-17 [SS-20]	B014955	1.03	50.0	06/15/10
10F0382-18 [SS-19]	B014955	1.01	50.0	06/15/10
10F0382-19 [SS-18]	B014955	1.02	50.0	06/15/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
-----------------------	-------	-------------	------------	------

Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-20 [SS-17]	B014971	0.909	50.0	06/16/10
10F0382-21 [SS-16]	B014971	0.937	50.0	06/16/10
10F0382-22 [SS-15]	B014971	0.928	50.0	06/16/10
10F0382-23 [SS-14]	B014971	0.908	50.0	06/16/10
10F0382-24 [SS-13]	B014971	0.949	50.0	06/16/10
10F0382-25 [SS-12]	B014971	1.00	50.0	06/16/10
10F0382-26 [SS-11]	B014971	0.958	50.0	06/16/10
10F0382-27 [SS-10]	B014971	0.967	50.0	06/16/10
10F0382-28 [SS-9]	B014971	0.924	50.0	06/16/10
10F0382-29 [SS-8]	B014971	0.967	50.0	06/16/10
10F0382-30 [SS-7]	B014971	0.979	50.0	06/16/10
10F0382-31 [DUP-1]	B014971	1.08	50.0	06/16/10
10F0382-32 [SS-6]	B014971	1.02	50.0	06/16/10
10F0382-33 [SS-5]	B014971	0.908	50.0	06/16/10
10F0382-34 [SS-4]	B014971	1.05	50.0	06/16/10
10F0382-35 [SS-3]	B014971	0.954	50.0	06/16/10
10F0382-36 [SS-2]	B014971	0.925	50.0	06/16/10
10F0382-37 [SS-1]	B014971	1.06	50.0	06/16/10
10F0382-38 [DUP-2]	B014971	0.921	50.0	06/16/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-26RE1 [SS-11]	B015060	1.00	50.0	06/17/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-01 [SS-36]	B014959	0.131	25.0	06/15/10
10F0382-02 [SS-35]	B014959	0.135	25.0	06/15/10
10F0382-03 [SS-34]	B014959	0.144	25.0	06/15/10
10F0382-04 [SS-33]	B014959	0.141	25.0	06/15/10
10F0382-05 [SS-32]	B014959	0.105	25.0	06/15/10
10F0382-06 [SS-31]	B014959	0.219	25.0	06/15/10
10F0382-07 [SS-30]	B014959	0.165	25.0	06/15/10
10F0382-08 [SS-29]	B014959	0.151	25.0	06/15/10
10F0382-09 [SS-28]	B014959	0.164	25.0	06/15/10
10F0382-10 [SS-27]	B014959	0.112	25.0	06/15/10
10F0382-11 [SS-26]	B014959	0.132	25.0	06/15/10
10F0382-12 [SS-25]	B014959	0.108	25.0	06/15/10
10F0382-13 [SS-24]	B014959	0.109	25.0	06/15/10
10F0382-14 [SS-23]	B014959	0.110	25.0	06/15/10
10F0382-15 [SS-22]	B014959	0.122	25.0	06/15/10
10F0382-16 [SS-21]	B014959	0.108	25.0	06/15/10
10F0382-17 [SS-20]	B014959	0.103	25.0	06/15/10
10F0382-18 [SS-19]	B014959	0.107	25.0	06/15/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-19 [SS-18]	B014978	0.139	25.0	06/16/10

Sample Extraction Data

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-20 [SS-17]	B014978	0.113	25.0	06/16/10
10F0382-21 [SS-16]	B014978	0.116	25.0	06/16/10
10F0382-22 [SS-15]	B014978	0.119	25.0	06/16/10
10F0382-23 [SS-14]	B014978	0.115	25.0	06/16/10
10F0382-24 [SS-13]	B014978	0.119	25.0	06/16/10
10F0382-25 [SS-12]	B014978	0.136	25.0	06/16/10
10F0382-26 [SS-11]	B014978	0.124	25.0	06/16/10
10F0382-27 [SS-10]	B014978	0.157	25.0	06/16/10
10F0382-28 [SS-9]	B014978	0.136	25.0	06/16/10
10F0382-29 [SS-8]	B014978	0.146	25.0	06/16/10
10F0382-30 [SS-7]	B014978	0.135	25.0	06/16/10
10F0382-31 [DUP-1]	B014978	0.118	25.0	06/16/10
10F0382-32 [SS-6]	B014978	0.110	25.0	06/16/10
10F0382-33 [SS-5]	B014978	0.115	25.0	06/16/10
10F0382-34 [SS-4]	B014978	0.166	25.0	06/16/10
10F0382-35 [SS-3]	B014978	0.133	25.0	06/16/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-36 [SS-2]	B015047	0.114	25.0	06/17/10
10F0382-37 [SS-1]	B015047	0.137	25.0	06/17/10
10F0382-38 [DUP-2]	B015047	0.107	25.0	06/17/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-01 [SS-36]	B015000	30.0	1.00	06/16/10
10F0382-01RE1 [SS-36]	B015000	30.0	1.00	06/16/10
10F0382-02 [SS-35]	B015000	30.0	1.00	06/16/10
10F0382-02RE1 [SS-35]	B015000	30.0	1.00	06/16/10
10F0382-03 [SS-34]	B015000	30.0	1.00	06/16/10
10F0382-04 [SS-33]	B015000	30.1	1.00	06/16/10
10F0382-05 [SS-32]	B015000	30.0	1.00	06/16/10
10F0382-05RE1 [SS-32]	B015000	30.0	1.00	06/16/10
10F0382-06 [SS-31]	B015000	30.0	1.00	06/16/10
10F0382-06RE1 [SS-31]	B015000	30.0	1.00	06/16/10
10F0382-07 [SS-30]	B015000	30.3	1.00	06/16/10
10F0382-08 [SS-29]	B015000	30.3	2.00	06/16/10
10F0382-09 [SS-28]	B015000	30.0	1.00	06/16/10
10F0382-10 [SS-27]	B015000	30.0	1.00	06/16/10
10F0382-10RE1 [SS-27]	B015000	30.0	1.00	06/16/10
10F0382-11 [SS-26]	B015000	30.1	1.00	06/16/10
10F0382-11RE1 [SS-26]	B015000	30.1	1.00	06/16/10
10F0382-12 [SS-25]	B015000	30.0	1.00	06/16/10
10F0382-12RE1 [SS-25]	B015000	30.0	1.00	06/16/10
10F0382-13 [SS-24]	B015000	30.0	2.00	06/16/10
10F0382-14 [SS-23]	B015000	30.0	1.00	06/16/10
10F0382-14RE1 [SS-23]	B015000	30.0	1.00	06/16/10
10F0382-15 [SS-22]	B015000	30.0	1.00	06/16/10
10F0382-15RE1 [SS-22]	B015000	30.0	1.00	06/16/10
10F0382-16 [SS-21]	B015000	30.0	1.00	06/16/10
10F0382-16RE1 [SS-21]	B015000	30.0	1.00	06/16/10

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-16RE2 [SS-21]	B015000	30.0	1.00	06/16/10
10F0382-17 [SS-20]	B015000	30.1	1.00	06/16/10
10F0382-18 [SS-19]	B015000	30.0	1.00	06/16/10
10F0382-18RE1 [SS-19]	B015000	30.0	1.00	06/16/10
10F0382-19 [SS-18]	B015000	30.0	1.00	06/16/10
10F0382-20 [SS-17]	B015000	30.0	1.00	06/16/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0382-21 [SS-16]	B015001	30.0	1.00	06/16/10
10F0382-21RE1 [SS-16]	B015001	30.0	1.00	06/16/10
10F0382-22 [SS-15]	B015001	30.0	1.00	06/16/10
10F0382-22RE1 [SS-15]	B015001	30.0	1.00	06/16/10
10F0382-23 [SS-14]	B015001	30.3	1.00	06/16/10
10F0382-23RE1 [SS-14]	B015001	30.3	1.00	06/16/10
10F0382-24 [SS-13]	B015001	30.0	1.00	06/16/10
10F0382-24RE1 [SS-13]	B015001	30.0	1.00	06/16/10
10F0382-25 [SS-12]	B015001	30.1	1.00	06/16/10
10F0382-25RE1 [SS-12]	B015001	30.1	1.00	06/16/10
10F0382-26 [SS-11]	B015001	30.0	1.00	06/16/10
10F0382-26RE1 [SS-11]	B015001	30.0	1.00	06/16/10
10F0382-27 [SS-10]	B015001	30.3	1.00	06/16/10
10F0382-27RE1 [SS-10]	B015001	30.3	1.00	06/16/10
10F0382-27RE2 [SS-10]	B015001	30.3	1.00	06/16/10
10F0382-28 [SS-9]	B015001	30.1	1.00	06/16/10
10F0382-28RE1 [SS-9]	B015001	30.1	1.00	06/16/10
10F0382-29 [SS-8]	B015001	30.0	1.00	06/16/10
10F0382-29RE1 [SS-8]	B015001	30.0	1.00	06/16/10
10F0382-30 [SS-7]	B015001	30.0	1.00	06/16/10
10F0382-31 [DUP-1]	B015001	30.0	1.00	06/16/10
10F0382-31RE1 [DUP-1]	B015001	30.0	1.00	06/16/10
10F0382-32 [SS-6]	B015001	30.0	1.00	06/16/10
10F0382-33 [SS-5]	B015001	30.1	1.00	06/16/10
10F0382-34 [SS-4]	B015001	30.0	1.00	06/16/10
10F0382-34RE1 [SS-4]	B015001	30.0	1.00	06/16/10
10F0382-34RE2 [SS-4]	B015001	30.0	1.00	06/16/10
10F0382-35 [SS-3]	B015001	30.0	1.00	06/16/10
10F0382-35RE1 [SS-3]	B015001	30.0	1.00	06/16/10
10F0382-36 [SS-2]	B015001	30.0	1.00	06/16/10
10F0382-37 [SS-1]	B015001	30.0	1.00	06/16/10
10F0382-37RE1 [SS-1]	B015001	30.0	1.00	06/16/10
10F0382-37RE2 [SS-1]	B015001	30.0	1.00	06/16/10
10F0382-38 [DUP-2]	B015001	30.0	1.00	06/16/10
10F0382-38RE1 [DUP-2]	B015001	30.0	1.00	06/16/10

SW-846 9045D

Lab Number [Field ID]	Batch	Initial [g]	Date
10F0382-01 [SS-36]	B014944	20.0	06/15/10
10F0382-02 [SS-35]	B014944	20.0	06/15/10
10F0382-03 [SS-34]	B014944	20.0	06/15/10
10F0382-04 [SS-33]	B014944	20.0	06/15/10

Sample Extraction Data**SW-846 9045D**

Lab Number [Field ID]	Batch	Initial [g]	Date
10F0382-05 [SS-32]	B014944	20.0	06/15/10
10F0382-06 [SS-31]	B014944	20.0	06/15/10
10F0382-07 [SS-30]	B014944	20.0	06/15/10
10F0382-08 [SS-29]	B014944	20.0	06/15/10
10F0382-09 [SS-28]	B014944	20.0	06/15/10
10F0382-10 [SS-27]	B014944	20.0	06/15/10
10F0382-11 [SS-26]	B014944	20.0	06/15/10
10F0382-12 [SS-25]	B014944	20.0	06/15/10
10F0382-13 [SS-24]	B014944	20.0	06/15/10
10F0382-14 [SS-23]	B014944	20.0	06/15/10
10F0382-15 [SS-22]	B014944	20.0	06/15/10
10F0382-16 [SS-21]	B014944	20.0	06/15/10
10F0382-17 [SS-20]	B014944	20.0	06/15/10
10F0382-18 [SS-19]	B014944	20.0	06/15/10
10F0382-19 [SS-18]	B014944	20.0	06/15/10
10F0382-20 [SS-17]	B014944	20.0	06/15/10
10F0382-21 [SS-16]	B014944	20.0	06/15/10
10F0382-22 [SS-15]	B014944	20.0	06/15/10
10F0382-23 [SS-14]	B014944	20.0	06/15/10
10F0382-24 [SS-13]	B014944	20.0	06/15/10
10F0382-25 [SS-12]	B014944	20.0	06/15/10
10F0382-26 [SS-11]	B014944	20.0	06/15/10
10F0382-27 [SS-10]	B014944	20.0	06/15/10
10F0382-28 [SS-9]	B014944	20.0	06/15/10
10F0382-29 [SS-8]	B014944	20.0	06/15/10
10F0382-30 [SS-7]	B014944	20.0	06/15/10
10F0382-31 [DUP-1]	B014944	20.0	06/15/10
10F0382-32 [SS-6]	B014944	20.0	06/15/10
10F0382-33 [SS-5]	B014944	20.0	06/15/10
10F0382-34 [SS-4]	B014944	20.0	06/15/10
10F0382-35 [SS-3]	B014944	20.0	06/15/10
10F0382-36 [SS-2]	B014944	20.0	06/15/10
10F0382-37 [SS-1]	B014944	20.0	06/15/10
10F0382-38 [DUP-2]	B014944	20.0	06/15/10

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015000 - SW-846 3546
Blank (B015000-BLK1)

Prepared: 06/16/10 Analyzed: 06/17/10

Acenaphthene	ND	0.17	mg/Kg wet
Acenaphthylene	ND	0.17	mg/Kg wet
Acetophenone	ND	0.34	mg/Kg wet
Aniline	ND	0.34	mg/Kg wet
Anthracene	ND	0.17	mg/Kg wet
Benzo(a)anthracene	ND	0.17	mg/Kg wet
Benzo(a)pyrene	ND	0.17	mg/Kg wet
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet
4-Bromophenylphenylether	ND	0.34	mg/Kg wet
Butylbenzylphthalate	ND	0.66	mg/Kg wet
4-Chloroaniline	ND	0.66	mg/Kg wet
2-Chloronaphthalene	ND	0.34	mg/Kg wet
2-Chlorophenol	ND	0.34	mg/Kg wet
Chrysene	ND	0.17	mg/Kg wet
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet
Dibenzofuran	ND	0.34	mg/Kg wet
Di-n-butylphthalate	ND	0.34	mg/Kg wet
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet
2,4-Dichlorophenol	ND	0.34	mg/Kg wet
Diethylphthalate	ND	0.34	mg/Kg wet
2,4-Dimethylphenol	ND	0.34	mg/Kg wet
Dimethylphthalate	ND	0.66	mg/Kg wet
2,4-Dinitrophenol	ND	0.66	mg/Kg wet
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet
Di-n-octylphthalate	ND	0.66	mg/Kg wet
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet
Fluoranthene	ND	0.17	mg/Kg wet
Fluorene	ND	0.17	mg/Kg wet
Hexachlorobenzene	ND	0.34	mg/Kg wet
Hexachlorobutadiene	ND	0.34	mg/Kg wet
Hexachloroethane	ND	0.34	mg/Kg wet
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet
Isophorone	ND	0.34	mg/Kg wet
2-Methylnaphthalene	ND	0.17	mg/Kg wet
2-Methylphenol	ND	0.34	mg/Kg wet
3/4-Methylphenol	ND	0.34	mg/Kg wet
Naphthalene	ND	0.17	mg/Kg wet
Nitrobenzene	ND	0.34	mg/Kg wet
2-Nitrophenol	ND	0.34	mg/Kg wet
4-Nitrophenol	ND	0.66	mg/Kg wet
Pentachlorophenol	ND	0.34	mg/Kg wet
Phenanthrene	ND	0.17	mg/Kg wet

V-19

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015000 - SW-846 3546										
Blank (B015000-BLK1)				Prepared: 06/16/10 Analyzed: 06/17/10						
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	6.79		mg/Kg wet	6.67		102	30-130			
Surrogate: Phenol-d6	7.00		mg/Kg wet	6.67		105	30-130			
Surrogate: Nitrobenzene-d5	3.19		mg/Kg wet	3.33		95.7	30-130			
Surrogate: 2-Fluorobiphenyl	2.54		mg/Kg wet	3.33		76.2	30-130			
Surrogate: 2,4,6-Tribromophenol	7.75		mg/Kg wet	6.67		116	30-130			
Surrogate: Terphenyl-d14	3.06		mg/Kg wet	3.33		91.8	30-130			
LCS (B015000-BS1)				Prepared: 06/16/10 Analyzed: 06/17/10						
Acenaphthene	1.40	0.17	mg/Kg wet	1.67		84.0	40-140			
Acenaphthylene	1.37	0.17	mg/Kg wet	1.67		82.3	40-140			
Acetophenone	0.809	0.34	mg/Kg wet	0.833		97.1	40-140			
Aniline	1.12	0.34	mg/Kg wet	1.67		67.2	40-140			
Anthracene	1.43	0.17	mg/Kg wet	1.67		85.6	40-140			
Benzo(a)anthracene	1.57	0.17	mg/Kg wet	1.67		94.0	40-140			
Benzo(a)pyrene	1.59	0.17	mg/Kg wet	1.67		95.3	40-140			
Benzo(b)fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.9	40-140			
Benzo(g,h,i)perylene	1.66	0.17	mg/Kg wet	1.67		99.4	40-140			
Benzo(k)fluoranthene	1.55	0.17	mg/Kg wet	1.67		93.0	40-140			
Bis(2-chloroethoxy)methane	1.65	0.34	mg/Kg wet	1.67		98.8	40-140			
Bis(2-chloroethyl)ether	1.65	0.34	mg/Kg wet	1.67		98.8	40-140			
Bis(2-chloroisopropyl)ether	1.94	0.34	mg/Kg wet	1.67		116	40-140			
Bis(2-Ethylhexyl)phthalate	1.91	0.34	mg/Kg wet	1.67		114	40-140			
4-Bromophenylphenylether	1.50	0.34	mg/Kg wet	1.67		90.0	40-140			
Butylbenzylphthalate	1.92	0.66	mg/Kg wet	1.67		115	40-140			
4-Chloroaniline	0.811	0.66	mg/Kg wet	1.67		48.7	15-140			†
2-Chloronaphthalene	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
2-Chlorophenol	1.55	0.34	mg/Kg wet	1.67		92.7	30-130			
Chrysene	1.59	0.17	mg/Kg wet	1.67		95.4	40-140			
Dibenz(a,h)anthracene	1.76	0.17	mg/Kg wet	1.67		106	40-140			
Dibenzofuran	1.61	0.34	mg/Kg wet	1.67		96.3	40-140			
Di-n-butylphthalate	1.80	0.34	mg/Kg wet	1.67		108	40-140			
1,2-Dichlorobenzene	1.42	0.34	mg/Kg wet	1.67		84.9	40-140			
1,3-Dichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.4	40-140			
1,4-Dichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.3	40-140			
3,3-Dichlorobenzidine	1.18	0.17	mg/Kg wet	1.67		70.6	40-140			
2,4-Dichlorophenol	1.63	0.34	mg/Kg wet	1.67		98.1	30-130			
Diethylphthalate	1.94	0.34	mg/Kg wet	1.67		116	40-140			
2,4-Dimethylphenol	1.71	0.34	mg/Kg wet	1.67		102	30-130			
Dimethylphthalate	1.82	0.66	mg/Kg wet	1.67		109	40-140			
2,4-Dinitrophenol	1.91	0.66	mg/Kg wet	1.67		114	15-140			V-19 †
2,4-Dinitrotoluene	2.08	0.34	mg/Kg wet	1.67		125	40-140			
2,6-Dinitrotoluene	1.75	0.34	mg/Kg wet	1.67		105	40-140			
Di-n-octylphthalate	1.83	0.66	mg/Kg wet	1.67		110	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.80	0.34	mg/Kg wet	1.67		108	40-140			
Fluoranthene	1.65	0.17	mg/Kg wet	1.67		98.9	40-140			
Fluorene	1.51	0.17	mg/Kg wet	1.67		90.8	40-140			
Hexachlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.9	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015000 - SW-846 3546
LCS (B015000-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

Hexachlorobutadiene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140			
Hexachloroethane	1.49	0.34	mg/Kg wet	1.67		89.6	40-140			
Indeno(1,2,3-cd)pyrene	1.62	0.17	mg/Kg wet	1.67		97.4	40-140			
Isophorone	1.70	0.34	mg/Kg wet	1.67		102	40-140			
2-Methylnaphthalene	1.36	0.17	mg/Kg wet	1.67		81.3	40-140			
2-Methylphenol	1.33	0.34	mg/Kg wet	1.67		79.5	30-130			
3/4-Methylphenol	1.45	0.34	mg/Kg wet	1.67		87.1	30-130			
Naphthalene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140			
Nitrobenzene	1.60	0.34	mg/Kg wet	1.67		96.3	40-140			
2-Nitrophenol	1.59	0.34	mg/Kg wet	1.67		95.3	30-130			
4-Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.3	15-140			†
Pentachlorophenol	1.24	0.34	mg/Kg wet	1.67		74.3	30-130			
Phenanthrene	1.53	0.17	mg/Kg wet	1.67		91.6	40-140			
Phenol	1.37	0.34	mg/Kg wet	1.67		82.3	15-140			†
Pyrene	1.52	0.17	mg/Kg wet	1.67		91.4	40-140			
1,2,4-Trichlorobenzene	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
2,4,5-Trichlorophenol	1.40	0.34	mg/Kg wet	1.67		83.8	30-130			
2,4,6-Trichlorophenol	1.52	0.34	mg/Kg wet	1.67		91.5	30-130			
Surrogate: 2-Fluorophenol	5.94		mg/Kg wet	6.67		89.1	30-130			
Surrogate: Phenol-d6	5.94		mg/Kg wet	6.67		89.1	30-130			
Surrogate: Nitrobenzene-d5	3.12		mg/Kg wet	3.33		93.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3.33		74.0	30-130			
Surrogate: 2,4,6-Tribromophenol	8.27		mg/Kg wet	6.67		124	30-130			
Surrogate: Terphenyl-d14	3.08		mg/Kg wet	3.33		92.4	30-130			

LCS Dup (B015000-BSD1)

Prepared: 06/16/10 Analyzed: 06/17/10

Acenaphthene	1.43	0.17	mg/Kg wet	1.67		86.0	40-140	2.35	30	
Acenaphthylene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140	2.85	30	
Acetophenone	0.809	0.34	mg/Kg wet	0.833		97.1	40-140	0.0412	30	
Aniline	1.21	0.34	mg/Kg wet	1.67		72.4	40-140	7.42	30	
Anthracene	1.49	0.17	mg/Kg wet	1.67		89.7	40-140	4.66	30	
Benzo(a)anthracene	1.66	0.17	mg/Kg wet	1.67		99.8	40-140	5.97	30	
Benzo(a)pyrene	1.70	0.17	mg/Kg wet	1.67		102	40-140	6.91	30	
Benzo(b)fluoranthene	1.69	0.17	mg/Kg wet	1.67		102	40-140	21.6	30	
Benzo(g,h,i)perylene	1.69	0.17	mg/Kg wet	1.67		101	40-140	2.01	30	
Benzo(k)fluoranthene	1.58	0.17	mg/Kg wet	1.67		94.9	40-140	1.94	30	
Bis(2-chloroethoxy)methane	1.67	0.34	mg/Kg wet	1.67		100	40-140	1.19	30	
Bis(2-chloroethyl)ether	1.63	0.34	mg/Kg wet	1.67		97.9	40-140	0.996	30	
Bis(2-chloroisopropyl)ether	1.96	0.34	mg/Kg wet	1.67		117	40-140	0.941	30	
Bis(2-Ethylhexyl)phthalate	2.11	0.34	mg/Kg wet	1.67		126	40-140	10.0	30	
4-Bromophenylphenylether	1.51	0.34	mg/Kg wet	1.67		90.8	40-140	0.885	30	
Butylbenzylphthalate	2.10	0.66	mg/Kg wet	1.67		126	40-140	8.65	30	
4-Chloroaniline	0.753	0.66	mg/Kg wet	1.67		45.2	15-140	7.46	30	†
2-Chloronaphthalene	1.20	0.34	mg/Kg wet	1.67		71.7	40-140	1.63	30	
2-Chlorophenol	1.55	0.34	mg/Kg wet	1.67		93.1	30-130	0.387	30	
Chrysene	1.73	0.17	mg/Kg wet	1.67		104	40-140	8.18	30	
Dibenz(a,h)anthracene	1.82	0.17	mg/Kg wet	1.67		109	40-140	3.27	30	
Dibenzofuran	1.66	0.34	mg/Kg wet	1.67		99.9	40-140	3.61	30	
Di-n-butylphthalate	1.89	0.34	mg/Kg wet	1.67		113	40-140	5.10	30	
1,2-Dichlorobenzene	1.45	0.34	mg/Kg wet	1.67		87.0	40-140	2.42	30	
1,3-Dichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	0.0746	30	
1,4-Dichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.7	40-140	0.461	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015000 - SW-846 3546
LCS Dup (B015000-BSD1)

Prepared: 06/16/10 Analyzed: 06/17/10

3,3-Dichlorobenzidine	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	10.9	30	
2,4-Dichlorophenol	1.69	0.34	mg/Kg wet	1.67		101	30-130	3.17	30	
Diethylphthalate	2.04	0.34	mg/Kg wet	1.67		122	40-140	4.83	30	
2,4-Dimethylphenol	1.73	0.34	mg/Kg wet	1.67		104	30-130	1.63	30	
Dimethylphthalate	1.90	0.66	mg/Kg wet	1.67		114	40-140	4.39	30	
2,4-Dinitrophenol	1.68	0.66	mg/Kg wet	1.67		101	15-140	12.6	30	V-19 †
2,4-Dinitrotoluene	2.20	0.34	mg/Kg wet	1.67		132	40-140	5.91	30	
2,6-Dinitrotoluene	1.90	0.34	mg/Kg wet	1.67		114	40-140	8.42	30	
Di-n-octylphthalate	2.06	0.66	mg/Kg wet	1.67		124	40-140	12.0	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.83	0.34	mg/Kg wet	1.67		110	40-140	1.27	30	
Fluoranthene	1.69	0.17	mg/Kg wet	1.67		102	40-140	2.69	30	
Fluorene	1.56	0.17	mg/Kg wet	1.67		93.7	40-140	3.06	30	
Hexachlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.5	40-140	2.94	30	
Hexachlorobutadiene	1.42	0.34	mg/Kg wet	1.67		85.4	40-140	2.30	30	
Hexachloroethane	1.50	0.34	mg/Kg wet	1.67		90.0	40-140	0.445	30	
Indeno(1,2,3-cd)pyrene	1.70	0.17	mg/Kg wet	1.67		102	40-140	4.65	30	
Isophorone	1.76	0.34	mg/Kg wet	1.67		106	40-140	3.31	30	
2-Methylnaphthalene	1.37	0.17	mg/Kg wet	1.67		82.2	40-140	1.03	30	
2-Methylphenol	1.34	0.34	mg/Kg wet	1.67		80.3	30-130	1.00	30	
3/4-Methylphenol	1.46	0.34	mg/Kg wet	1.67		87.7	30-130	0.709	30	
Naphthalene	1.38	0.17	mg/Kg wet	1.67		82.7	40-140	1.31	30	
Nitrobenzene	1.61	0.34	mg/Kg wet	1.67		96.6	40-140	0.373	30	
2-Nitrophenol	1.63	0.34	mg/Kg wet	1.67		98.1	30-130	2.83	30	
4-Nitrophenol	1.31	0.66	mg/Kg wet	1.67		78.6	15-140	5.76	30	†
Pentachlorophenol	1.29	0.34	mg/Kg wet	1.67		77.2	30-130	3.77	30	
Phenanthrene	1.54	0.17	mg/Kg wet	1.67		92.3	40-140	0.739	30	
Phenol	1.36	0.34	mg/Kg wet	1.67		81.6	15-140	0.952	30	†
Pyrene	1.66	0.17	mg/Kg wet	1.67		99.6	40-140	8.52	30	
1,2,4-Trichlorobenzene	1.48	0.34	mg/Kg wet	1.67		88.7	40-140	2.65	30	
2,4,5-Trichlorophenol	1.51	0.34	mg/Kg wet	1.67		90.6	30-130	7.77	30	
2,4,6-Trichlorophenol	1.58	0.34	mg/Kg wet	1.67		94.8	30-130	3.57	30	
Surrogate: 2-Fluorophenol	5.89		mg/Kg wet	6.67		88.4	30-130			
Surrogate: Phenol-d6	5.67		mg/Kg wet	6.67		85.1	30-130			
Surrogate: Nitrobenzene-d5	3.05		mg/Kg wet	3.33		91.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.43		mg/Kg wet	3.33		73.0	30-130			
Surrogate: 2,4,6-Tribromophenol	8.32		mg/Kg wet	6.67		125	30-130			
Surrogate: Terphenyl-d14	3.30		mg/Kg wet	3.33		99.1	30-130			

Matrix Spike (B015000-MS1)
Source: 10F0382-18

Prepared: 06/16/10 Analyzed: 06/17/10

Acenaphthene	1.92	0.20	mg/Kg dry	1.94	ND	98.9	40-140			
Acenaphthylene	1.37	0.20	mg/Kg dry	1.94	ND	70.9	40-140			
Acetophenone	0.717	0.39	mg/Kg dry	0.968	ND	74.1	40-140			
Aniline	0.129	0.39	mg/Kg dry	1.94	ND	6.68	* 40-140			MS-09, R-06
Anthracene	1.98	0.20	mg/Kg dry	1.94	0.600	71.3	40-140			
Benzo(a)anthracene	7.16	0.20	mg/Kg dry	1.94	1.95	269	* 40-140			MS-12, R-06
Benzo(a)pyrene	4.03	0.20	mg/Kg dry	1.94	1.71	120	40-140			
Benzo(b)fluoranthene	7.98	0.20	mg/Kg dry	1.94	2.15	301	* 40-140			MS-12
Benzo(g,h,i)perylene	2.64	0.20	mg/Kg dry	1.94	0.937	88.0	40-140			R-06
Benzo(k)fluoranthene	2.92	0.20	mg/Kg dry	1.94	0.852	107	40-140			
Bis(2-chloroethoxy)methane	1.47	0.39	mg/Kg dry	1.94	ND	76.1	40-140			
Bis(2-chloroethyl)ether	1.47	0.39	mg/Kg dry	1.94	ND	75.9	40-140			
Bis(2-chloroisopropyl)ether	1.77	0.39	mg/Kg dry	1.94	ND	91.6	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015000 - SW-846 3546										
Matrix Spike (B015000-MS1)	Source: 10F0382-18			Prepared: 06/16/10 Analyzed: 06/17/10						
Bis(2-Ethylhexyl)phthalate	36.0	0.39	mg/Kg dry	1.94	65.5	-1520	*	40-140		MS-12, R-06
4-Bromophenylphenylether	1.55	0.39	mg/Kg dry	1.94	ND	80.0		40-140		
Butylbenzylphthalate	5.11	0.77	mg/Kg dry	1.94	ND	264	*	40-140		MS-12, R-06
4-Chloroaniline	0.230	0.77	mg/Kg dry	1.94	ND	11.9	*	40-140		R-06, MS-20
2-Chloronaphthalene	1.08	0.39	mg/Kg dry	1.94	ND	55.7		40-140		
2-Chlorophenol	1.37	0.39	mg/Kg dry	1.94	ND	70.9		30-130		
Chrysene	2.90	0.20	mg/Kg dry	1.94	2.05	43.7		40-140		
Dibenz(a,h)anthracene	1.68	0.20	mg/Kg dry	1.94	ND	87.0		40-140		
Dibenzofuran	2.12	0.39	mg/Kg dry	1.94	ND	110		40-140		
Di-n-butylphthalate	2.79	0.39	mg/Kg dry	1.94	0.861	99.7		40-140		
1,2-Dichlorobenzene	1.29	0.39	mg/Kg dry	1.94	ND	66.6		40-140		
1,3-Dichlorobenzene	1.21	0.39	mg/Kg dry	1.94	ND	62.7		40-140		
1,4-Dichlorobenzene	1.25	0.39	mg/Kg dry	1.94	ND	64.5		40-140		
3,3-Dichlorobenzidine	0.104	0.20	mg/Kg dry	1.94	ND	5.36	*	40-140		MS-09
2,4-Dichlorophenol	1.47	0.39	mg/Kg dry	1.94	ND	75.9		30-130		
Diethylphthalate	1.88	0.39	mg/Kg dry	1.94	ND	97.1		40-140		
2,4-Dimethylphenol	1.39	0.39	mg/Kg dry	1.94	ND	72.0		30-130		
Dimethylphthalate	1.69	0.77	mg/Kg dry	1.94	ND	87.3		40-140		
2,4-Dinitrophenol	1.51	0.77	mg/Kg dry	1.94	ND	78.1		30-130		
2,4-Dinitrotoluene	1.66	0.39	mg/Kg dry	1.94	ND	85.8		40-140		
2,6-Dinitrotoluene	1.30	0.39	mg/Kg dry	1.94	ND	67.2		40-140		
Di-n-octylphthalate	4.07	0.77	mg/Kg dry	1.94	ND	210	*	40-140		MS-12
1,2-Diphenylhydrazine (as Azobenzene)	1.93	0.39	mg/Kg dry	1.94	ND	99.9		40-140		
Fluoranthene	9.29	0.20	mg/Kg dry	1.94	3.59	294	*	40-140		R-06, MS-12
Fluorene	1.99	0.20	mg/Kg dry	1.94	ND	103		40-140		
Hexachlorobenzene	1.53	0.39	mg/Kg dry	1.94	ND	79.1		40-140		
Hexachlorobutadiene	1.31	0.39	mg/Kg dry	1.94	ND	67.9		40-140		
Hexachloroethane	1.37	0.39	mg/Kg dry	1.94	ND	70.9		40-140		
Indeno(1,2,3-cd)pyrene	3.12	0.20	mg/Kg dry	1.94	1.14	102		40-140		R-06
Isophorone	1.57	0.39	mg/Kg dry	1.94	ND	80.9		40-140		
2-Methylnaphthalene	1.55	0.20	mg/Kg dry	1.94	ND	80.0		40-140		R-06
2-Methylphenol	1.13	0.39	mg/Kg dry	1.94	ND	58.6		30-130		
3/4-Methylphenol	1.21	0.39	mg/Kg dry	1.94	ND	62.3		30-130		
Naphthalene	1.72	0.20	mg/Kg dry	1.94	ND	88.6		40-140		R-06
Nitrobenzene	1.44	0.39	mg/Kg dry	1.94	ND	74.5		40-140		
2-Nitrophenol	1.41	0.39	mg/Kg dry	1.94	ND	72.9		30-130		
4-Nitrophenol	1.55	0.77	mg/Kg dry	1.94	ND	80.3		30-130		
Pentachlorophenol	1.53	0.39	mg/Kg dry	1.94	ND	79.2		30-130		
Phenanthrene	9.56	0.20	mg/Kg dry	1.94	3.34	321	*	40-140		MS-12, R-06
Phenol	1.25	0.39	mg/Kg dry	1.94	ND	64.5		30-130		
Pyrene	9.10	0.20	mg/Kg dry	1.94	3.00	315	*	40-140		MS-12, R-06
1,2,4-Trichlorobenzene	1.31	0.39	mg/Kg dry	1.94	ND	67.8		40-140		
2,4,5-Trichlorophenol	1.10	0.39	mg/Kg dry	1.94	ND	56.6		30-130		
2,4,6-Trichlorophenol	1.63	0.39	mg/Kg dry	1.94	ND	84.2		30-130		
Surrogate: 2-Fluorophenol	5.20		mg/Kg dry	7.74		67.1		30-130		
Surrogate: Phenol-d6	5.36		mg/Kg dry	7.74		69.3		30-130		
Surrogate: Nitrobenzene-d5	2.59		mg/Kg dry	3.87		66.9		30-130		
Surrogate: 2-Fluorobiphenyl	2.29		mg/Kg dry	3.87		59.2		30-130		
Surrogate: 2,4,6-Tribromophenol	7.24		mg/Kg dry	7.74		93.6		30-130		
Surrogate: Terphenyl-d14	3.33		mg/Kg dry	3.87		86.0		30-130		

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015000 - SW-846 3546										
Matrix Spike Dup (B015000-MSD1)	Source: 10F0382-18			Prepared: 06/16/10 Analyzed: 06/17/10						
Acenaphthene	2.25	0.20	mg/Kg dry	1.94	ND	116	40-140	16.3	30	
Acenaphthylene	1.43	0.20	mg/Kg dry	1.94	ND	73.9	40-140	4.15	30	
Acetophenone	0.705	0.39	mg/Kg dry	0.968	ND	72.8	40-140	1.74	30	
Aniline	0.228	0.39	mg/Kg dry	1.94	ND	11.8	* 40-140	55.1	* 30	MS-09, R-06
Anthracene	2.24	0.20	mg/Kg dry	1.94	0.600	84.6	40-140	12.2	30	
Benzo(a)anthracene	10.3	0.20	mg/Kg dry	1.94	1.95	431	* 40-140	35.9	* 30	MS-12, R-06
Benzo(a)pyrene	5.30	0.20	mg/Kg dry	1.94	1.71	186	* 40-140	27.4	30	MS-20
Benzo(b)fluoranthene	9.76	0.20	mg/Kg dry	1.94	2.15	393	* 40-140	20.1	30	MS-12
Benzo(g,h,i)perylene	4.14	0.20	mg/Kg dry	1.94	0.937	166	* 40-140	44.3	* 30	MS-20, R-06
Benzo(k)fluoranthene	2.70	0.20	mg/Kg dry	1.94	0.852	95.5	40-140	7.73	30	
Bis(2-chloroethoxy)methane	1.51	0.39	mg/Kg dry	1.94	ND	78.0	40-140	2.47	30	
Bis(2-chloroethyl)ether	1.37	0.39	mg/Kg dry	1.94	ND	70.6	40-140	7.29	30	
Bis(2-chloroisopropyl)ether	1.70	0.39	mg/Kg dry	1.94	ND	87.9	40-140	4.08	30	
Bis(2-Ethylhexyl)phthalate	60.4	0.39	mg/Kg dry	1.94	65.5	-265	* 40-140	50.6	* 30	MS-12, R-06
4-Bromophenylphenylether	1.59	0.39	mg/Kg dry	1.94	ND	82.0	40-140	2.47	30	
Butylbenzylphthalate	2.81	0.77	mg/Kg dry	1.94	ND	145	* 40-140	58.2	* 30	MS-12, R-06
4-Chloroaniline	0.892	0.77	mg/Kg dry	1.94	ND	46.1	40-140	118	* 30	R-06
2-Chloronaphthalene	1.07	0.39	mg/Kg dry	1.94	ND	55.4	40-140	0.504	30	
2-Chlorophenol	1.32	0.39	mg/Kg dry	1.94	ND	68.3	30-130	3.79	30	
Chrysene	3.19	0.20	mg/Kg dry	1.94	2.05	58.9	40-140	9.64	30	
Dibenz(a,h)anthracene	1.95	0.20	mg/Kg dry	1.94	ND	101	40-140	14.5	30	
Dibenzofuran	2.59	0.39	mg/Kg dry	1.94	ND	134	40-140	19.7	30	
Di-n-butylphthalate	2.87	0.39	mg/Kg dry	1.94	0.861	104	40-140	2.80	30	
1,2-Dichlorobenzene	1.22	0.39	mg/Kg dry	1.94	ND	63.0	40-140	5.43	30	
1,3-Dichlorobenzene	1.13	0.39	mg/Kg dry	1.94	ND	58.5	40-140	7.03	30	
1,4-Dichlorobenzene	1.19	0.39	mg/Kg dry	1.94	ND	61.4	40-140	4.89	30	
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1.94	ND	*	40-140		30	MS-09
2,4-Dichlorophenol	1.43	0.39	mg/Kg dry	1.94	ND	73.7	30-130	2.91	30	
Diethylphthalate	1.84	0.39	mg/Kg dry	1.94	ND	95.3	40-140	1.85	30	
2,4-Dimethylphenol	1.41	0.39	mg/Kg dry	1.94	ND	72.9	30-130	1.21	30	
Dimethylphthalate	1.64	0.77	mg/Kg dry	1.94	ND	84.8	40-140	2.84	30	
2,4-Dinitrophenol	1.19	0.77	mg/Kg dry	1.94	ND	61.5	30-130	23.8	30	
2,4-Dinitrotoluene	1.92	0.39	mg/Kg dry	1.94	ND	99.1	40-140	14.3	30	
2,6-Dinitrotoluene	1.76	0.39	mg/Kg dry	1.94	ND	91.0	40-140	30.1	* 30	R-06
Di-n-octylphthalate	3.58	0.77	mg/Kg dry	1.94	ND	185	* 40-140	12.8	30	MS-12
1,2-Diphenylhydrazine (as Azobenzene)	1.99	0.39	mg/Kg dry	1.94	ND	103	40-140	2.88	30	
Fluoranthene	12.7	0.20	mg/Kg dry	1.94	3.59	470	* 40-140	31.0	* 30	MS-12, R-06
Fluorene	2.51	0.20	mg/Kg dry	1.94	ND	130	40-140	23.2	30	
Hexachlorobenzene	1.58	0.39	mg/Kg dry	1.94	ND	81.7	40-140	3.16	30	
Hexachlorobutadiene	1.26	0.39	mg/Kg dry	1.94	ND	65.0	40-140	4.36	30	
Hexachloroethane	1.27	0.39	mg/Kg dry	1.94	ND	65.5	40-140	7.92	30	
Indeno(1,2,3-cd)pyrene	4.68	0.20	mg/Kg dry	1.94	1.14	183	* 40-140	40.1	* 30	MS-20, R-06
Isophorone	1.54	0.39	mg/Kg dry	1.94	ND	79.5	40-140	1.75	30	
2-Methylnaphthalene	2.18	0.20	mg/Kg dry	1.94	ND	113	40-140	33.9	* 30	R-06
2-Methylphenol	1.13	0.39	mg/Kg dry	1.94	ND	58.1	30-130	0.788	30	
3/4-Methylphenol	1.25	0.39	mg/Kg dry	1.94	ND	64.5	30-130	3.50	30	
Naphthalene	2.32	0.20	mg/Kg dry	1.94	ND	120	40-140	30.1	* 30	R-06
Nitrobenzene	1.42	0.39	mg/Kg dry	1.94	ND	73.6	40-140	1.30	30	
2-Nitrophenol	1.37	0.39	mg/Kg dry	1.94	ND	70.9	30-130	2.78	30	
4-Nitrophenol	1.61	0.77	mg/Kg dry	1.94	ND	83.1	30-130	3.43	30	
Pentachlorophenol	1.72	0.39	mg/Kg dry	1.94	ND	89.0	30-130	11.7	30	
Phenanthrene	13.6	0.20	mg/Kg dry	1.94	3.34	531	* 40-140	35.1	* 30	MS-12, R-06

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015000 - SW-846 3546

Matrix Spike Dup (B015000-MSD1)		Source: 10F0382-18		Prepared: 06/16/10 Analyzed: 06/17/10						
Phenol	1.27	0.39	mg/Kg dry	1.94	ND	65.5	30-130	1.54	30	
Pyrene	14.6	0.20	mg/Kg dry	1.94	3.00	599	* 40-140	46.4	* 30	MS-12, R-06
1,2,4-Trichlorobenzene	1.27	0.39	mg/Kg dry	1.94	ND	65.5	40-140	3.42	30	
2,4,5-Trichlorophenol	0.949	0.39	mg/Kg dry	1.94	ND	49.0	30-130	14.4	30	
2,4,6-Trichlorophenol	1.91	0.39	mg/Kg dry	1.94	ND	98.6	30-130	15.7	30	
Surrogate: 2-Fluorophenol	3.10		mg/Kg dry	7.74		40.0	30-130			
Surrogate: Phenol-d6	1.81		mg/Kg dry	7.74		23.4	* 30-130			S-07
Surrogate: Nitrobenzene-d5	2.60		mg/Kg dry	3.87		67.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.37		mg/Kg dry	3.87		61.2	30-130			
Surrogate: 2,4,6-Tribromophenol	7.26		mg/Kg dry	7.74		93.8	30-130			
Surrogate: Terphenyl-d14	4.20		mg/Kg dry	3.87		108	30-130			

Batch B015001 - SW-846 3546

Blank (B015001-BLK1)		Prepared: 06/16/10 Analyzed: 06/17/10								
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015001 - SW-846 3546
Blank (B015001-BLK1)

Prepared: 06/16/10 Analyzed: 06/17/10

Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	8.08		mg/Kg wet	6.67		121	30-130			
Surrogate: Phenol-d6	7.11		mg/Kg wet	6.67		107	30-130			
Surrogate: Nitrobenzene-d5	3.63		mg/Kg wet	3.33		109	30-130			
Surrogate: 2-Fluorobiphenyl	3.71		mg/Kg wet	3.33		111	30-130			
Surrogate: 2,4,6-Tribromophenol	6.86		mg/Kg wet	6.67		103	30-130			
Surrogate: Terphenyl-d14	4.20		mg/Kg wet	3.33		126	30-130			

LCS (B015001-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
Acenaphthylene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140			
Acetophenone	0.742	0.34	mg/Kg wet	0.833		89.0	40-140			
Aniline	1.01	0.34	mg/Kg wet	1.67		60.6	40-140			
Anthracene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140			
Benzo(a)anthracene	1.25	0.17	mg/Kg wet	1.67		74.9	40-140			
Benzo(a)pyrene	1.22	0.17	mg/Kg wet	1.67		73.5	40-140			
Benzo(b)fluoranthene	1.12	0.17	mg/Kg wet	1.67		66.9	40-140			
Benzo(g,h,i)perylene	1.52	0.17	mg/Kg wet	1.67		90.9	40-140			
Benzo(k)fluoranthene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140			
Bis(2-chloroethoxy)methane	1.55	0.34	mg/Kg wet	1.67		92.9	40-140			
Bis(2-chloroethyl)ether	1.63	0.34	mg/Kg wet	1.67		97.6	40-140			
Bis(2-chloroisopropyl)ether	1.46	0.34	mg/Kg wet	1.67		87.4	40-140			
Bis(2-Ethylhexyl)phthalate	1.96	0.34	mg/Kg wet	1.67		117	40-140			
4-Bromophenylphenylether	1.53	0.34	mg/Kg wet	1.67		91.6	40-140			
Butylbenzylphthalate	1.89	0.66	mg/Kg wet	1.67		113	40-140			
4-Chloroaniline	0.728	0.66	mg/Kg wet	1.67		43.7	15-140			†
2-Chloronaphthalene	1.35	0.34	mg/Kg wet	1.67		80.7	40-140			
2-Chlorophenol	1.50	0.34	mg/Kg wet	1.67		89.9	30-130			
Chrysene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Dibenz(a,h)anthracene	1.47	0.17	mg/Kg wet	1.67		88.4	40-140			
Dibenzofuran	1.59	0.34	mg/Kg wet	1.67		95.5	40-140			
Di-n-butylphthalate	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
1,2-Dichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.8	40-140			
1,3-Dichlorobenzene	1.44	0.34	mg/Kg wet	1.67		86.3	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015001 - SW-846 3546
LCS (B015001-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

1,4-Dichlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.4	40-140			
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
2,4-Dichlorophenol	1.47	0.34	mg/Kg wet	1.67		88.1	30-130			
Diethylphthalate	1.49	0.34	mg/Kg wet	1.67		89.2	40-140			
2,4-Dimethylphenol	1.52	0.34	mg/Kg wet	1.67		90.9	30-130			
Dimethylphthalate	1.52	0.66	mg/Kg wet	1.67		91.1	40-140			
2,4-Dinitrophenol	1.23	0.66	mg/Kg wet	1.67		73.8	15-140			†
2,4-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.4	40-140			
2,6-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.1	40-140			
Di-n-octylphthalate	1.71	0.66	mg/Kg wet	1.67		103	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.69	0.34	mg/Kg wet	1.67		101	40-140			
Fluoranthene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140			
Fluorene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
Hexachlorobenzene	1.53	0.34	mg/Kg wet	1.67		91.8	40-140			
Hexachlorobutadiene	1.46	0.34	mg/Kg wet	1.67		87.9	40-140			
Hexachloroethane	1.46	0.34	mg/Kg wet	1.67		87.5	40-140			
Indeno(1,2,3-cd)pyrene	1.46	0.17	mg/Kg wet	1.67		87.5	40-140			V-06
Isophorone	1.60	0.34	mg/Kg wet	1.67		96.3	40-140			
2-Methylnaphthalene	1.40	0.17	mg/Kg wet	1.67		84.1	40-140			
2-Methylphenol	1.32	0.34	mg/Kg wet	1.67		79.0	30-130			
3/4-Methylphenol	1.37	0.34	mg/Kg wet	1.67		82.2	30-130			
Naphthalene	1.18	0.17	mg/Kg wet	1.67		70.9	40-140			
Nitrobenzene	1.57	0.34	mg/Kg wet	1.67		94.4	40-140			
2-Nitrophenol	1.52	0.34	mg/Kg wet	1.67		91.2	30-130			
4-Nitrophenol	1.36	0.66	mg/Kg wet	1.67		81.7	15-140			†
Pentachlorophenol	1.19	0.34	mg/Kg wet	1.67		71.7	30-130			
Phenanthrene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140			
Phenol	1.31	0.34	mg/Kg wet	1.67		78.6	15-140			†
Pyrene	1.44	0.17	mg/Kg wet	1.67		86.7	40-140			
1,2,4-Trichlorobenzene	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
2,4,5-Trichlorophenol	1.50	0.34	mg/Kg wet	1.67		90.3	30-130			
2,4,6-Trichlorophenol	1.53	0.34	mg/Kg wet	1.67		91.7	30-130			
Surrogate: 2-Fluorophenol	6.85		mg/Kg wet	6.67		103	30-130			
Surrogate: Phenol-d6	6.28		mg/Kg wet	6.67		94.2	30-130			
Surrogate: Nitrobenzene-d5	3.26		mg/Kg wet	3.33		97.7	30-130			
Surrogate: 2-Fluorobiphenyl	3.16		mg/Kg wet	3.33		94.8	30-130			
Surrogate: 2,4,6-Tribromophenol	6.53		mg/Kg wet	6.67		97.9	30-130			
Surrogate: Terphenyl-d14	3.87		mg/Kg wet	3.33		116	30-130			

LCS Dup (B015001-BS1)

Prepared: 06/16/10 Analyzed: 06/17/10

Acenaphthene	1.29	0.17	mg/Kg wet	1.67		77.2	40-140	7.19	30	
Acenaphthylene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140	6.60	30	
Acetophenone	0.864	0.34	mg/Kg wet	0.833		104	40-140	15.2	30	
Aniline	1.16	0.34	mg/Kg wet	1.67		69.3	40-140	13.4	30	
Anthracene	1.30	0.17	mg/Kg wet	1.67		77.8	40-140	7.08	30	
Benzo(a)anthracene	1.34	0.17	mg/Kg wet	1.67		80.5	40-140	7.26	30	
Benzo(a)pyrene	1.34	0.17	mg/Kg wet	1.67		80.1	40-140	8.65	30	
Benzo(b)fluoranthene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140	6.17	30	
Benzo(g,h,i)perylene	1.39	0.17	mg/Kg wet	1.67		83.5	40-140	8.44	30	V-06
Benzo(k)fluoranthene	1.31	0.17	mg/Kg wet	1.67		78.5	40-140	5.66	30	
Bis(2-chloroethoxy)methane	1.69	0.34	mg/Kg wet	1.67		101	40-140	8.51	30	
Bis(2-chloroethyl)ether	1.82	0.34	mg/Kg wet	1.67		109	40-140	11.0	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015001 - SW-846 3546										
LCS Dup (B015001-BSD1)					Prepared: 06/16/10 Analyzed: 06/17/10					
Bis(2-chloroisopropyl)ether	1.68	0.34	mg/Kg wet	1.67		101	40-140	14.4	30	
Bis(2-Ethylhexyl)phthalate	1.90	0.34	mg/Kg wet	1.67		114	40-140	3.06	30	
4-Bromophenylphenylether	1.60	0.34	mg/Kg wet	1.67		95.8	40-140	4.48	30	
Butylbenzylphthalate	1.88	0.66	mg/Kg wet	1.67		113	40-140	0.495	30	
4-Chloroaniline	0.777	0.66	mg/Kg wet	1.67		46.6	15-140	6.55	30	†
2-Chloronaphthalene	1.43	0.34	mg/Kg wet	1.67		85.8	40-140	6.08	30	
2-Chlorophenol	1.71	0.34	mg/Kg wet	1.67		102	30-130	13.0	30	
Chrysene	1.32	0.17	mg/Kg wet	1.67		79.4	40-140	6.85	30	
Dibenz(a,h)anthracene	1.40	0.17	mg/Kg wet	1.67		83.9	40-140	5.32	30	
Dibenzofuran	1.71	0.34	mg/Kg wet	1.67		103	40-140	7.21	30	
Di-n-butylphthalate	1.53	0.34	mg/Kg wet	1.67		92.0	40-140	2.78	30	
1,2-Dichlorobenzene	1.53	0.34	mg/Kg wet	1.67		92.0	40-140	12.9	30	
1,3-Dichlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.9	40-140	5.15	30	
1,4-Dichlorobenzene	1.59	0.34	mg/Kg wet	1.67		95.1	40-140	8.48	30	
3,3-Dichlorobenzidine	1.07	0.17	mg/Kg wet	1.67		64.3	40-140	3.09	30	
2,4-Dichlorophenol	1.56	0.34	mg/Kg wet	1.67		93.4	30-130	5.84	30	
Diethylphthalate	1.60	0.34	mg/Kg wet	1.67		96.2	40-140	7.62	30	
2,4-Dimethylphenol	1.62	0.34	mg/Kg wet	1.67		96.9	30-130	6.39	30	
Dimethylphthalate	1.57	0.66	mg/Kg wet	1.67		94.1	40-140	3.24	30	
2,4-Dinitrophenol	1.43	0.66	mg/Kg wet	1.67		86.0	15-140	15.2	30	†
2,4-Dinitrotoluene	1.65	0.34	mg/Kg wet	1.67		98.8	40-140	7.82	30	
2,6-Dinitrotoluene	1.72	0.34	mg/Kg wet	1.67		103	40-140	12.6	30	
Di-n-octylphthalate	1.62	0.66	mg/Kg wet	1.67		97.4	40-140	5.39	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.77	0.34	mg/Kg wet	1.67		106	40-140	4.44	30	
Fluoranthene	1.19	0.17	mg/Kg wet	1.67		71.3	40-140	5.59	30	
Fluorene	1.33	0.17	mg/Kg wet	1.67		79.7	40-140	9.98	30	
Hexachlorobenzene	1.60	0.34	mg/Kg wet	1.67		96.3	40-140	4.78	30	
Hexachlorobutadiene	1.55	0.34	mg/Kg wet	1.67		92.8	40-140	5.49	30	
Hexachloroethane	1.60	0.34	mg/Kg wet	1.67		96.0	40-140	9.29	30	
Indeno(1,2,3-cd)pyrene	1.40	0.17	mg/Kg wet	1.67		84.1	40-140	4.03	30	V-06
Isophorone	1.80	0.34	mg/Kg wet	1.67		108	40-140	11.4	30	
2-Methylnaphthalene	1.51	0.17	mg/Kg wet	1.67		90.9	40-140	7.77	30	
2-Methylphenol	1.61	0.34	mg/Kg wet	1.67		96.8	30-130	20.2	30	
3/4-Methylphenol	1.59	0.34	mg/Kg wet	1.67		95.4	30-130	14.8	30	
Naphthalene	1.26	0.17	mg/Kg wet	1.67		75.4	40-140	6.10	30	
Nitrobenzene	1.69	0.34	mg/Kg wet	1.67		101	40-140	7.21	30	
2-Nitrophenol	1.68	0.34	mg/Kg wet	1.67		101	30-130	10.2	30	
4-Nitrophenol	1.55	0.66	mg/Kg wet	1.67		93.0	15-140	12.9	30	†
Pentachlorophenol	1.34	0.34	mg/Kg wet	1.67		80.2	30-130	11.3	30	
Phenanthrene	1.30	0.17	mg/Kg wet	1.67		78.3	40-140	7.86	30	
Phenol	1.52	0.34	mg/Kg wet	1.67		90.9	15-140	14.5	30	†
Pyrene	1.31	0.17	mg/Kg wet	1.67		78.7	40-140	9.68	30	
1,2,4-Trichlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.7	40-140	4.77	30	
2,4,5-Trichlorophenol	1.63	0.34	mg/Kg wet	1.67		97.7	30-130	7.90	30	
2,4,6-Trichlorophenol	1.67	0.34	mg/Kg wet	1.67		100	30-130	8.80	30	
Surrogate: 2-Fluorophenol	7.45		mg/Kg wet	6.67		112	30-130			
Surrogate: Phenol-d6	7.10		mg/Kg wet	6.67		106	30-130			
Surrogate: Nitrobenzene-d5	3.44		mg/Kg wet	3.33		103	30-130			
Surrogate: 2-Fluorobiphenyl	3.33		mg/Kg wet	3.33		100	30-130			
Surrogate: 2,4,6-Tribromophenol	7.11		mg/Kg wet	6.67		107	30-130			
Surrogate: Terphenyl-d14	3.42		mg/Kg wet	3.33		103	30-130			

QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015001 - SW-846 3546										
Matrix Spike (B015001-MS1)	Source: 10F0382-26			Prepared: 06/16/10 Analyzed: 06/22/10						
Acenaphthene	1.32	0.97	mg/Kg dry	1.91	1.02	15.9	* 40-140			MS-07A
Acenaphthylene	0.953	0.97	mg/Kg dry	1.91	ND	49.9	40-140			
Acetophenone	ND	1.9	mg/Kg dry	0.955	ND	*	40-140			MS-13
Aniline	ND	1.9	mg/Kg dry	1.91	ND	*	40-140			MS-07A
Anthracene	1.61	0.97	mg/Kg dry	1.91	1.42	9.88	* 40-140			MS-07A
Benzo(a)anthracene	2.69	0.97	mg/Kg dry	1.91	2.93	-12.4	* 40-140			MS-07A
Benzo(a)pyrene	2.20	0.97	mg/Kg dry	1.91	2.23	-1.56	* 40-140			MS-07A
Benzo(b)fluoranthene	2.32	0.97	mg/Kg dry	1.91	3.21	-46.7	* 40-140			MS-07A
Benzo(g,h,i)perylene	1.58	0.97	mg/Kg dry	1.91	0.754	43.4	40-140			R-06
Benzo(k)fluoranthene	1.47	0.97	mg/Kg dry	1.91	1.26	11.3	* 40-140			MS-07A
Bis(2-chloroethoxy)methane	1.32	1.9	mg/Kg dry	1.91	ND	68.9	40-140			
Bis(2-chloroethyl)ether	1.44	1.9	mg/Kg dry	1.91	ND	75.5	40-140			
Bis(2-chloroisopropyl)ether	1.32	1.9	mg/Kg dry	1.91	ND	69.4	40-140			
Bis(2-Ethylhexyl)phthalate	11.2	1.9	mg/Kg dry	1.91	8.60	136	40-140			
4-Bromophenylphenylether	1.24	1.9	mg/Kg dry	1.91	ND	64.9	40-140			
Butylbenzylphthalate	1.55	3.8	mg/Kg dry	1.91	ND	81.1	40-140			
4-Chloroaniline	ND	3.8	mg/Kg dry	1.91	ND	*	40-140			MS-07A
2-Chloronaphthalene	0.985	1.9	mg/Kg dry	1.91	ND	51.6	40-140			
2-Chlorophenol	1.20	1.9	mg/Kg dry	1.91	ND	63.0	30-130			
Chrysene	2.47	0.97	mg/Kg dry	1.91	2.84	-19.8	* 40-140			MS-07A
Dibenz(a,h)anthracene	1.25	0.97	mg/Kg dry	1.91	0.132	58.8	40-140			
Dibenzofuran	1.46	1.9	mg/Kg dry	1.91	0.406	55.3	40-140			
Di-n-butylphthalate	3.61	1.9	mg/Kg dry	1.91	3.46	7.92	* 40-140			MS-07A
1,2-Dichlorobenzene	1.18	1.9	mg/Kg dry	1.91	ND	61.9	40-140			
1,3-Dichlorobenzene	1.08	1.9	mg/Kg dry	1.91	ND	56.5	40-140			
1,4-Dichlorobenzene	1.23	1.9	mg/Kg dry	1.91	ND	64.2	40-140			
3,3-Dichlorobenzidine	ND	0.97	mg/Kg dry	1.91	ND	*	40-140			MS-07A
2,4-Dichlorophenol	1.05	1.9	mg/Kg dry	1.91	ND	55.0	30-130			
Diethylphthalate	1.22	1.9	mg/Kg dry	1.91	ND	64.0	40-140			
2,4-Dimethylphenol	1.25	1.9	mg/Kg dry	1.91	ND	65.7	30-130			
Dimethylphthalate	1.16	3.8	mg/Kg dry	1.91	ND	60.9	40-140			
2,4-Dinitrophenol	2.99	3.8	mg/Kg dry	1.91	ND	156	* 30-130			MS-12
2,4-Dinitrotoluene	1.24	1.9	mg/Kg dry	1.91	ND	64.8	40-140			
2,6-Dinitrotoluene	1.18	1.9	mg/Kg dry	1.91	ND	62.0	40-140			
Di-n-octylphthalate	0.913	3.8	mg/Kg dry	1.91	ND	47.8	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.38	1.9	mg/Kg dry	1.91	ND	72.3	40-140			
Fluoranthene	4.27	0.97	mg/Kg dry	1.91	6.11	-96.2	* 40-140			MS-07A
Fluorene	1.30	0.97	mg/Kg dry	1.91	0.640	34.8	* 40-140			MS-07A
Hexachlorobenzene	1.16	1.9	mg/Kg dry	1.91	ND	60.7	40-140			
Hexachlorobutadiene	1.07	1.9	mg/Kg dry	1.91	ND	56.1	40-140			
Hexachloroethane	1.24	1.9	mg/Kg dry	1.91	ND	64.9	40-140			
Indeno(1,2,3-cd)pyrene	1.83	0.97	mg/Kg dry	1.91	0.894	49.3	40-140			
Isophorone	1.38	1.9	mg/Kg dry	1.91	ND	72.1	40-140			
2-Methylnaphthalene	1.17	0.97	mg/Kg dry	1.91	0.187	51.5	40-140			
2-Methylphenol	1.20	1.9	mg/Kg dry	1.91	ND	62.9	30-130			
3/4-Methylphenol	1.19	1.9	mg/Kg dry	1.91	ND	62.3	30-130			R-06
Naphthalene	0.979	0.97	mg/Kg dry	1.91	0.140	44.0	40-140			
Nitrobenzene	1.35	1.9	mg/Kg dry	1.91	ND	70.6	40-140			
2-Nitrophenol	1.13	1.9	mg/Kg dry	1.91	ND	59.2	30-130			
4-Nitrophenol	2.47	3.8	mg/Kg dry	1.91	ND	129	30-130			
Pentachlorophenol	2.74	1.9	mg/Kg dry	1.91	ND	144	* 30-130			MS-12
Phenanthrene	3.80	0.97	mg/Kg dry	1.91	6.83	-158	* 40-140			MS-07A

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015001 - SW-846 3546										
Matrix Spike (B015001-MS1)	Source: 10F0382-26			Prepared: 06/16/10 Analyzed: 06/22/10						
Phenol	1.35	1.9	mg/Kg dry	1.91	ND	70.7	30-130			
Pyrene	3.84	0.97	mg/Kg dry	1.91	4.85	-52.5 *	40-140			MS-07A
1,2,4-Trichlorobenzene	1.04	1.9	mg/Kg dry	1.91	ND	54.6	40-140			
2,4,5-Trichlorophenol	1.19	1.9	mg/Kg dry	1.91	ND	62.1	30-130			
2,4,6-Trichlorophenol	1.19	1.9	mg/Kg dry	1.91	ND	62.2	30-130			
Surrogate: 2-Fluorophenol	4.98		mg/Kg dry	7.64		65.2	30-130			
Surrogate: Phenol-d6	5.00		mg/Kg dry	7.64		65.5	30-130			
Surrogate: Nitrobenzene-d5	2.35		mg/Kg dry	3.82		61.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.15		mg/Kg dry	3.82		56.3	30-130			
Surrogate: 2,4,6-Tribromophenol	5.37		mg/Kg dry	7.64		70.3	30-130			
Surrogate: Terphenyl-d14	2.37		mg/Kg dry	3.82		62.2	30-130			
Matrix Spike Dup (B015001-MSD1)	Source: 10F0382-26			Prepared: 06/16/10 Analyzed: 06/22/10						
Acenaphthene	1.54	0.97	mg/Kg dry	1.91	1.02	27.1 *	40-140	14.9	30	MS-07A
Acenaphthylene	1.02	0.97	mg/Kg dry	1.91	ND	53.2	40-140	6.40	30	
Acetophenone	0.832	1.9	mg/Kg dry	0.955	ND	87.2	40-140		30	
Aniline	ND	1.9	mg/Kg dry	1.91	ND	*	40-140		30	MS-07A
Anthracene	1.83	0.97	mg/Kg dry	1.91	1.42	21.5 *	40-140	12.9	30	MS-07A
Benzo(a)anthracene	3.08	0.97	mg/Kg dry	1.91	2.93	7.88 *	40-140	13.4	30	MS-07A
Benzo(a)pyrene	2.49	0.97	mg/Kg dry	1.91	2.23	13.5 *	40-140	12.3	30	MS-07A
Benzo(b)fluoranthene	2.74	0.97	mg/Kg dry	1.91	3.21	-24.3 *	40-140	16.9	30	MS-07A
Benzo(g,h,i)perylene	2.15	0.97	mg/Kg dry	1.91	0.754	73.0	40-140	30.3 *	30	R-06
Benzo(k)fluoranthene	1.89	0.97	mg/Kg dry	1.91	1.26	33.1 *	40-140	24.8	30	MS-07A
Bis(2-chloroethoxy)methane	1.35	1.9	mg/Kg dry	1.91	ND	70.8	40-140	2.72	30	
Bis(2-chloroethyl)ether	1.63	1.9	mg/Kg dry	1.91	ND	85.3	40-140	12.2	30	
Bis(2-chloroisopropyl)ether	1.53	1.9	mg/Kg dry	1.91	ND	80.4	40-140	14.7	30	
Bis(2-Ethylhexyl)phthalate	11.6	1.9	mg/Kg dry	1.91	8.60	159 *	40-140	3.83	30	MS-13
4-Bromophenylphenylether	1.50	1.9	mg/Kg dry	1.91	ND	78.7	40-140	19.2	30	
Butylbenzylphthalate	1.41	3.8	mg/Kg dry	1.91	ND	73.8	40-140	9.43	30	
4-Chloroaniline	ND	3.8	mg/Kg dry	1.91	ND	*	40-140		30	MS-07A
2-Chloronaphthalene	1.11	1.9	mg/Kg dry	1.91	ND	58.2	40-140	12.0	30	
2-Chlorophenol	1.44	1.9	mg/Kg dry	1.91	ND	75.6	30-130	18.2	30	
Chrysene	2.95	0.97	mg/Kg dry	1.91	2.84	5.30 *	40-140	17.7	30	MS-07A
Dibenz(a,h)anthracene	1.40	0.97	mg/Kg dry	1.91	0.132	66.5	40-140	11.1	30	
Dibenzofuran	1.60	1.9	mg/Kg dry	1.91	0.406	62.3	40-140	8.74	30	
Di-n-butylphthalate	3.38	1.9	mg/Kg dry	1.91	3.46	-4.38 *	40-140	6.72	30	MS-07A
1,2-Dichlorobenzene	1.34	1.9	mg/Kg dry	1.91	ND	70.0	40-140	12.3	30	
1,3-Dichlorobenzene	1.24	1.9	mg/Kg dry	1.91	ND	65.1	40-140	14.1	30	
1,4-Dichlorobenzene	1.36	1.9	mg/Kg dry	1.91	ND	71.3	40-140	10.5	30	
3,3-Dichlorobenzidine	ND	0.97	mg/Kg dry	1.91	ND	*	40-140	NC	30	MS-07A
2,4-Dichlorophenol	1.29	1.9	mg/Kg dry	1.91	ND	67.6	30-130	20.6	30	
Diethylphthalate	1.27	1.9	mg/Kg dry	1.91	ND	66.3	40-140	3.53	30	
2,4-Dimethylphenol	1.43	1.9	mg/Kg dry	1.91	ND	74.9	30-130	13.1	30	
Dimethylphthalate	1.30	3.8	mg/Kg dry	1.91	ND	68.2	40-140	11.3	30	
2,4-Dinitrophenol	2.95	3.8	mg/Kg dry	1.91	ND	154 *	30-130	1.22	30	MS-12
2,4-Dinitrotoluene	1.16	1.9	mg/Kg dry	1.91	ND	60.8	40-140	6.37	30	
2,6-Dinitrotoluene	1.35	1.9	mg/Kg dry	1.91	ND	70.7	40-140	13.1	30	
Di-n-octylphthalate	1.12	3.8	mg/Kg dry	1.91	ND	58.8	40-140	20.6	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.74	1.9	mg/Kg dry	1.91	ND	91.3	40-140	23.2	30	
Fluoranthene	4.54	0.97	mg/Kg dry	1.91	6.11	-82.0 *	40-140	6.15	30	MS-07A
Fluorene	1.36	0.97	mg/Kg dry	1.91	0.640	37.9 *	40-140	4.44	30	MS-07A
Hexachlorobenzene	1.38	1.9	mg/Kg dry	1.91	ND	72.5	40-140	17.7	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015001 - SW-846 3546										
Matrix Spike Dup (B015001-MSD1)	Source: 10F0382-26			Prepared: 06/16/10 Analyzed: 06/22/10						
Hexachlorobutadiene	1.10	1.9	mg/Kg dry	1.91	ND	57.5	40-140	2.46	30	
Hexachloroethane	1.29	1.9	mg/Kg dry	1.91	ND	67.7	40-140	4.22	30	
Indeno(1,2,3-cd)pyrene	2.36	0.97	mg/Kg dry	1.91	0.894	76.6	40-140	24.9	30	
Isophorone	1.46	1.9	mg/Kg dry	1.91	ND	76.6	40-140	6.05	30	
2-Methylnaphthalene	1.42	0.97	mg/Kg dry	1.91	0.187	64.7	40-140	19.4	30	
2-Methylphenol	1.60	1.9	mg/Kg dry	1.91	ND	83.8	30-130	28.5	30	
3/4-Methylphenol	1.73	1.9	mg/Kg dry	1.91	ND	90.4	30-130	36.8 *	30	R-06
Naphthalene	1.12	0.97	mg/Kg dry	1.91	0.140	51.4	40-140	13.5	30	
Nitrobenzene	1.32	1.9	mg/Kg dry	1.91	ND	69.3	40-140	1.86	30	
2-Nitrophenol	1.25	1.9	mg/Kg dry	1.91	ND	65.7	30-130	10.4	30	
4-Nitrophenol	2.11	3.8	mg/Kg dry	1.91	ND	110	30-130	15.7	30	
Pentachlorophenol	2.74	1.9	mg/Kg dry	1.91	ND	144 *	30-130	0.0696	30	MS-12
Phenanthrene	4.70	0.97	mg/Kg dry	1.91	6.83	-111 *	40-140	21.1	30	MS-07A
Phenol	1.74	1.9	mg/Kg dry	1.91	ND	90.9	30-130	25.0	30	
Pyrene	4.56	0.97	mg/Kg dry	1.91	4.85	-14.8 *	40-140	17.1	30	MS-07A
1,2,4-Trichlorobenzene	1.17	1.9	mg/Kg dry	1.91	ND	61.2	40-140	11.4	30	
2,4,5-Trichlorophenol	1.24	1.9	mg/Kg dry	1.91	ND	65.1	30-130	4.72	30	
2,4,6-Trichlorophenol	1.33	1.9	mg/Kg dry	1.91	ND	69.5	30-130	11.1	30	
Surrogate: 2-Fluorophenol	5.44		mg/Kg dry	7.64		71.3	30-130			
Surrogate: Phenol-d6	6.08		mg/Kg dry	7.64		79.6	30-130			
Surrogate: Nitrobenzene-d5	2.38		mg/Kg dry	3.82		62.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.49		mg/Kg dry	3.82		65.2	30-130			
Surrogate: 2,4,6-Tribromophenol	4.76		mg/Kg dry	7.64		62.3	30-130			
Surrogate: Terphenyl-d14	2.53		mg/Kg dry	3.82		66.2	30-130			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B014955 - SW-846 3050B
Blank (B014955-BLK1)

Prepared: 06/15/10 Analyzed: 06/16/10

Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.74	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	0.99	mg/Kg wet							
Zinc	ND	0.99	mg/Kg wet							

LCS (B014955-BS1)

Prepared: 06/15/10 Analyzed: 06/16/10

Antimony	96.6	5.0	mg/Kg wet	103		94.0	30-203.7			
Arsenic	103	5.0	mg/Kg wet	107		96.8	81.6-118.4			
Barium	322	5.0	mg/Kg wet	330		97.5	80.7-119.3			
Beryllium	72.9	0.50	mg/Kg wet	73.9		98.5	81.6-118.9			
Cadmium	232	0.50	mg/Kg wet	243		95.2	82.4-117.6			
Chromium	75.7	1.0	mg/Kg wet	80.4		94.2	78.8-120.7			
Lead	100	1.5	mg/Kg wet	107		93.9	79.1-120.3			
Nickel	92.6	1.0	mg/Kg wet	96.6		95.8	81.2-119.2			
Selenium	168	10	mg/Kg wet	177		94.9	78.4-120.9			
Silver	42.7	1.0	mg/Kg wet	46.1		92.7	66.2-133.6			
Thallium	257	5.0	mg/Kg wet	271		94.5	77.6-122.4			
Vanadium	113	2.0	mg/Kg wet	115		98.5	79.4-120.1			
Zinc	356	2.0	mg/Kg wet	377		94.5	80.5-119.3			

LCS (B014955-BS2)

Prepared: 06/15/10 Analyzed: 06/16/10

Lead	0.711	0.74	mg/Kg wet	0.745		95.5	79.1-120.3			
------	-------	------	-----------	-------	--	------	------------	--	--	--

LCS Dup (B014955-BSD1)

Prepared: 06/15/10 Analyzed: 06/16/10

Antimony	90.8	5.0	mg/Kg wet	103		88.4	30-203.7	6.20	30	
Arsenic	106	5.0	mg/Kg wet	107		99.2	81.6-118.4	2.27	30	
Barium	331	5.0	mg/Kg wet	330		100	80.7-119.3	2.67	30	
Beryllium	73.6	0.50	mg/Kg wet	73.8		99.7	81.6-118.9	1.03	30	
Cadmium	229	0.50	mg/Kg wet	243		94.2	82.4-117.6	1.25	30	
Chromium	76.4	1.0	mg/Kg wet	80.3		95.2	78.8-120.7	0.937	30	
Lead	100	1.5	mg/Kg wet	107		93.9	79.1-120.3	0.163	30	
Nickel	89.6	1.0	mg/Kg wet	96.5		92.9	81.2-119.2	3.27	30	
Selenium	170	10	mg/Kg wet	176		96.1	78.4-120.9	1.16	30	
Silver	44.1	1.0	mg/Kg wet	46.0		95.9	66.2-133.6	3.25	30	
Thallium	264	5.0	mg/Kg wet	271		97.3	77.6-122.4	2.75	30	
Vanadium	115	2.0	mg/Kg wet	115		101	79.4-120.1	1.93	30	
Zinc	352	2.0	mg/Kg wet	377		93.6	80.5-119.3	1.07	30	

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014955 - SW-846 3050B										
Duplicate (B014955-DUP1)	Source: 10F0382-18			Prepared: 06/15/10		Analyzed: 06/16/10				
Antimony	ND	2.9	mg/Kg dry		ND			NC	35	
Arsenic	8.34	2.9	mg/Kg dry		9.04			8.11	35	
Barium	409	2.9	mg/Kg dry		457			11.2	35	
Beryllium	1.73	0.29	mg/Kg dry		2.05			17.1	35	
Cadmium	4.54	0.29	mg/Kg dry		1.76			88.2 *	35	R-01
Chromium	34.0	0.57	mg/Kg dry		34.6			1.98	35	
Lead	100	0.86	mg/Kg dry		110			9.05	35	
Nickel	7.95	0.57	mg/Kg dry		11.0			32.4	35	
Selenium	ND	5.7	mg/Kg dry		ND			NC	35	
Silver	ND	0.57	mg/Kg dry		ND			NC	35	
Thallium	ND	2.9	mg/Kg dry		ND			NC	35	
Vanadium	11.5	1.1	mg/Kg dry		16.2			34.3	35	
Zinc	175	1.1	mg/Kg dry		211			18.9	35	
Duplicate (B014955-DUP2)	Source: 10F0382-18			Prepared: 06/15/10		Analyzed: 06/16/10				
Barium	475	14	mg/Kg dry		457			3.78	10	
Chromium	37.4	2.9	mg/Kg dry		34.6			7.60	10	
Lead	115	4.3	mg/Kg dry		110			4.25	10	
Zinc	219	5.7	mg/Kg dry		211			3.74	10	
Matrix Spike (B014955-MS1)	Source: 10F0382-18			Prepared: 06/15/10		Analyzed: 06/16/10				
Antimony	14.8	2.9	mg/Kg dry	28.8	ND	51.4 *	75-125			MS-07A
Arsenic	34.5	2.9	mg/Kg dry	28.8	9.04	88.5	75-125			
Barium	431	2.9	mg/Kg dry	28.8	457	-91.6 *	75-125			MS-19
Beryllium	29.0	0.29	mg/Kg dry	28.8	2.05	93.6	75-125			
Cadmium	29.2	0.29	mg/Kg dry	28.8	1.76	95.2	75-125			
Chromium	61.2	0.58	mg/Kg dry	28.8	34.6	92.3	75-125			
Lead	131	0.86	mg/Kg dry	28.8	110	75.4	75-125			
Nickel	35.0	0.58	mg/Kg dry	28.8	11.0	83.4	75-125			
Selenium	26.5	5.8	mg/Kg dry	28.8	ND	92.1	75-125			
Silver	26.2	0.58	mg/Kg dry	28.8	ND	91.2	75-125			
Thallium	25.2	2.9	mg/Kg dry	28.8	ND	87.4	75-125			
Vanadium	39.3	1.2	mg/Kg dry	28.8	16.2	80.3	75-125			
Zinc	220	1.2	mg/Kg dry	28.8	211	29.5 *	75-125			MS-13
Matrix Spike Dup (B014955-MSD1)	Source: 10F0382-18			Prepared: 06/15/10		Analyzed: 06/16/10				
Antimony	14.2	2.9	mg/Kg dry	28.7	ND	49.4 *	75-125	4.22	35	MS-07A
Arsenic	34.5	2.9	mg/Kg dry	28.7	9.04	88.5	75-125	0.185	35	
Barium	500	2.9	mg/Kg dry	28.7	457	147 *	75-125	14.7	35	MS-19
Beryllium	28.8	0.29	mg/Kg dry	28.7	2.05	93.0	75-125	0.738	35	
Cadmium	28.6	0.29	mg/Kg dry	28.7	1.76	93.6	75-125	1.79	35	
Chromium	64.0	0.57	mg/Kg dry	28.7	34.6	102	75-125	4.51	35	
Lead	136	0.86	mg/Kg dry	28.7	110	92.3	75-125	3.59	35	
Nickel	34.9	0.57	mg/Kg dry	28.7	11.0	83.2	75-125	0.345	35	
Selenium	26.2	5.7	mg/Kg dry	28.7	ND	91.4	75-125	0.954	35	
Silver	26.1	0.57	mg/Kg dry	28.7	ND	90.8	75-125	0.665	35	
Thallium	25.1	2.9	mg/Kg dry	28.7	ND	87.4	75-125	0.191	35	
Vanadium	39.4	1.1	mg/Kg dry	28.7	16.2	80.7	75-125	0.171	35	
Zinc	236	1.1	mg/Kg dry	28.7	211	85.6	75-125	7.05	35	

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014959 - SW-846 7471A										
Blank (B014959-BLK1)				Prepared: 06/15/10 Analyzed: 06/16/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B014959-BS1)				Prepared: 06/15/10 Analyzed: 06/16/10						
Mercury	0.841	0.025	mg/Kg wet	0.861		97.6	66-132			
LCS Dup (B014959-BSD1)				Prepared: 06/15/10 Analyzed: 06/16/10						
Mercury	0.819	0.025	mg/Kg wet	0.827		99.0	66-132	2.67	30	
Duplicate (B014959-DUP1)				Source: 10F0382-18		Prepared: 06/15/10 Analyzed: 06/16/10				
Mercury	0.0400	0.027	mg/Kg dry		0.0450			11.6	35	
Matrix Spike (B014959-MS1)				Source: 10F0382-18		Prepared: 06/15/10 Analyzed: 06/16/10				
Mercury	0.664	0.028	mg/Kg dry	0.568	0.0450	109	75-125			
Matrix Spike Dup (B014959-MSD1)				Source: 10F0382-18		Prepared: 06/15/10 Analyzed: 06/16/10				
Mercury	0.613	0.026	mg/Kg dry	0.518	0.0450	110	75-125	8.01	35	
Batch B014971 - SW-846 3050B										
Blank (B014971-BLK1)				Prepared & Analyzed: 06/16/10						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B014971-BS1)				Prepared & Analyzed: 06/16/10						
Antimony	51.7	2.5	mg/Kg wet	51.7		100	30-203.7			
Arsenic	55.6	2.5	mg/Kg wet	53.7		104	81.6-118.4			
Barium	170	2.5	mg/Kg wet	166		103	80.7-119.3			
Beryllium	38.6	0.25	mg/Kg wet	37.2		104	81.6-118.9			
Cadmium	118	0.25	mg/Kg wet	122		96.2	82.4-117.6			
Chromium	47.0	0.50	mg/Kg wet	40.4		116	78.8-120.7			
Lead	53.1	0.75	mg/Kg wet	53.7		98.9	79.1-120.3			
Nickel	47.3	0.50	mg/Kg wet	48.5		97.5	81.2-119.2			
Selenium	92.4	5.0	mg/Kg wet	88.8		104	78.4-120.9			
Silver	21.5	0.50	mg/Kg wet	23.2		92.9	66.2-133.6			
Thallium	133	2.5	mg/Kg wet	136		97.7	77.6-122.4			
Vanadium	61.0	1.0	mg/Kg wet	57.7		106	79.4-120.1			
Zinc	192	1.0	mg/Kg wet	190		101	80.5-119.3			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014971 - SW-846 3050B										
LCS (B014971-BS2)					Prepared & Analyzed: 06/16/10					
Lead	0.807	0.75	mg/Kg wet	0.750		108	79.1-120.3			
LCS Dup (B014971-BSD1)					Prepared & Analyzed: 06/16/10					
Antimony	45.0	2.5	mg/Kg wet	51.6		87.3	30-203.7	13.8	30	
Arsenic	55.6	2.5	mg/Kg wet	53.6		104	81.6-118.4	0.0607	30	
Barium	169	2.5	mg/Kg wet	166		102	80.7-119.3	0.764	30	
Beryllium	38.6	0.25	mg/Kg wet	37.1		104	81.6-118.9	0.196	30	
Cadmium	118	0.25	mg/Kg wet	122		96.2	82.4-117.6	0.0152	30	
Chromium	39.6	0.50	mg/Kg wet	40.4		97.9	78.8-120.7	17.3	30	
Lead	52.5	0.75	mg/Kg wet	53.6		97.9	79.1-120.3	1.14	30	
Nickel	46.0	0.50	mg/Kg wet	48.5		94.8	81.2-119.2	2.81	30	
Selenium	90.9	5.0	mg/Kg wet	88.7		102	78.4-120.9	1.62	30	
Silver	21.2	0.50	mg/Kg wet	23.2		91.4	66.2-133.6	1.72	30	
Thallium	134	2.5	mg/Kg wet	136		98.3	77.6-122.4	0.546	30	
Vanadium	59.6	1.0	mg/Kg wet	57.6		104	79.4-120.1	2.28	30	
Zinc	182	1.0	mg/Kg wet	189		96.1	80.5-119.3	5.22	30	
Duplicate (B014971-DUP1)					Source: 10F0382-26		Prepared & Analyzed: 06/16/10			
Antimony	ND	2.9	mg/Kg dry		ND			NC	35	
Arsenic	12.9	2.9	mg/Kg dry		18.4			34.6	35	
Beryllium	ND	0.29	mg/Kg dry		ND			NC	35	
Cadmium	1.73	0.29	mg/Kg dry		3.07			55.8 *	35	R-02
Lead	211	0.88	mg/Kg dry		292			32.0	35	
Selenium	ND	5.9	mg/Kg dry		ND			NC	35	
Silver	ND	0.59	mg/Kg dry		ND			NC	35	
Thallium	ND	2.9	mg/Kg dry		ND			NC	35	
Vanadium	20.7	1.2	mg/Kg dry		27.1			26.7	35	
Duplicate (B014971-DUP2)					Source: 10F0382-26		Prepared & Analyzed: 06/16/10			
Lead	268	4.5	mg/Kg dry		292			8.36	10	M-07
Matrix Spike (B014971-MS1)					Source: 10F0382-26		Prepared & Analyzed: 06/16/10			
Antimony	19.9	3.0	mg/Kg dry	30.0	ND	66.5 *	75-125			MS-09
Arsenic	43.8	3.0	mg/Kg dry	30.0	18.4	84.8	75-125			
Beryllium	31.2	0.30	mg/Kg dry	30.0	ND	104	75-125			
Cadmium	31.5	0.30	mg/Kg dry	30.0	3.07	95.0	75-125			
Lead	257	0.90	mg/Kg dry	30.0	292	-116 *	75-125			MS-19
Selenium	31.1	6.0	mg/Kg dry	30.0	ND	104	75-125			
Silver	27.0	0.60	mg/Kg dry	30.0	ND	90.0	75-125			
Thallium	27.0	3.0	mg/Kg dry	30.0	ND	90.2	75-125			
Vanadium	51.1	1.2	mg/Kg dry	30.0	27.1	80.1	75-125			
Matrix Spike Dup (B014971-MSD1)					Source: 10F0382-26		Prepared & Analyzed: 06/16/10			
Antimony	20.3	3.0	mg/Kg dry	30.3	ND	67.0 *	75-125	1.70	35	MS-09
Arsenic	43.2	3.0	mg/Kg dry	30.3	18.4	82.1	75-125	1.33	35	
Beryllium	31.6	0.30	mg/Kg dry	30.3	ND	105	75-125	1.42	35	
Cadmium	33.0	0.30	mg/Kg dry	30.3	3.07	99.0	75-125	4.62	35	
Lead	284	0.91	mg/Kg dry	30.3	292	-27.4 *	75-125	9.74	35	MS-19
Selenium	31.9	6.1	mg/Kg dry	30.3	ND	105	75-125	2.29	35	
Silver	28.0	0.61	mg/Kg dry	30.3	ND	92.6	75-125	3.84	35	
Thallium	27.9	3.0	mg/Kg dry	30.3	ND	92.3	75-125	3.33	35	
Vanadium	50.8	1.2	mg/Kg dry	30.3	27.1	78.5	75-125	0.491	35	

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014978 - SW-846 7471A										
Blank (B014978-BLK1)				Prepared & Analyzed: 06/16/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B014978-BS1)				Prepared & Analyzed: 06/16/10						
Mercury	0.869	0.025	mg/Kg wet	0.926		93.8	66-132			
LCS Dup (B014978-BSD1)				Prepared & Analyzed: 06/16/10						
Mercury	0.812	0.025	mg/Kg wet	0.885		91.7	66-132	6.78	30	
Duplicate (B014978-DUP1)				Source: 10F0382-26		Prepared & Analyzed: 06/16/10				
Mercury	0.120	0.023	mg/Kg dry		0.101			17.4	35	
Matrix Spike (B014978-MS1)				Source: 10F0382-26		Prepared & Analyzed: 06/16/10				
Mercury	0.576	0.022	mg/Kg dry	0.446	0.101	106	75-125			
Matrix Spike Dup (B014978-MSD1)				Source: 10F0382-26		Prepared & Analyzed: 06/16/10				
Mercury	0.595	0.022	mg/Kg dry	0.447	0.101	110	75-125	3.24	35	
Batch B015047 - SW-846 7471A										
Blank (B015047-BLK1)				Prepared & Analyzed: 06/17/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B015047-BS1)				Prepared & Analyzed: 06/17/10						
Mercury	0.806	0.025	mg/Kg wet	0.906		88.9	66-132			
LCS Dup (B015047-BSD1)				Prepared & Analyzed: 06/17/10						
Mercury	0.827	0.025	mg/Kg wet	0.934		88.6	66-132	2.62	30	
Batch B015060 - SW-846 3050B										
Blank (B015060-BLK1)				Prepared: 06/17/10 Analyzed: 06/18/10						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015060 - SW-846 3050B
LCS (B015060-BS1)

Prepared: 06/17/10 Analyzed: 06/18/10

Antimony	89.8	5.0	mg/Kg wet	103		87.2	30-203.7			
Arsenic	101	5.0	mg/Kg wet	107		94.6	81.6-118.4			
Barium	305	5.0	mg/Kg wet	331		92.1	80.7-119.3			
Beryllium	72.6	0.50	mg/Kg wet	74.0		98.0	81.6-118.9			
Cadmium	219	0.50	mg/Kg wet	244		89.8	82.4-117.6			
Chromium	71.0	1.0	mg/Kg wet	80.5		88.1	78.8-120.7			
Lead	93.3	1.5	mg/Kg wet	107		87.3	79.1-120.3			
Nickel	87.8	1.0	mg/Kg wet	96.7		90.8	81.2-119.2			
Selenium	166	10	mg/Kg wet	177		93.9	78.4-120.9			
Silver	40.9	1.0	mg/Kg wet	46.2		88.6	66.2-133.6			
Thallium	258	5.0	mg/Kg wet	272		95.0	77.6-122.4			
Vanadium	110	2.0	mg/Kg wet	115		95.9	79.4-120.1			
Zinc	348	2.0	mg/Kg wet	378		92.0	80.5-119.3			

LCS (B015060-BS2)

Prepared: 06/17/10 Analyzed: 06/18/10

Lead	0.793	0.75	mg/Kg wet	0.747		106	79.1-120.3			
------	-------	------	-----------	-------	--	-----	------------	--	--	--

LCS Dup (B015060-BSD1)

Prepared: 06/17/10 Analyzed: 06/18/10

Antimony	87.9	5.0	mg/Kg wet	103		85.3	30-203.7	2.13	30	
Arsenic	106	5.0	mg/Kg wet	107		99.5	81.6-118.4	5.12	30	
Barium	317	5.0	mg/Kg wet	331		95.7	80.7-119.3	3.82	30	
Beryllium	74.2	0.50	mg/Kg wet	74.1		100	81.6-118.9	2.25	30	
Cadmium	228	0.50	mg/Kg wet	244		93.6	82.4-117.6	4.24	30	
Chromium	74.9	1.0	mg/Kg wet	80.6		92.9	78.8-120.7	5.32	30	
Lead	97.3	1.5	mg/Kg wet	107		91.0	79.1-120.3	4.23	30	
Nickel	91.8	1.0	mg/Kg wet	96.8		94.9	81.2-119.2	4.50	30	
Selenium	174	10	mg/Kg wet	177		98.1	78.4-120.9	4.42	30	
Silver	42.6	1.0	mg/Kg wet	46.2		92.3	66.2-133.6	4.18	30	
Thallium	274	5.0	mg/Kg wet	272		101	77.6-122.4	5.96	30	
Vanadium	114	2.0	mg/Kg wet	115		99.5	79.4-120.1	3.71	30	
Zinc	357	2.0	mg/Kg wet	378		94.5	80.5-119.3	2.70	30	

Duplicate (B015060-DUP1)

Source: 10F0382-26RE1

Prepared: 06/17/10 Analyzed: 06/18/10

Barium	399	2.8	mg/Kg dry		421		5.58		35	
Chromium	48.7	0.57	mg/Kg dry		43.3		11.9		35	
Nickel	15.5	0.57	mg/Kg dry		12.8		19.2		35	
Zinc	253	1.1	mg/Kg dry		266		4.89		35	

Duplicate (B015060-DUP2)

Source: 10F0382-26RE1

Prepared: 06/17/10 Analyzed: 06/18/10

M-07

Barium	421	14	mg/Kg dry		421		0.0996		10	
Chromium	46.4	2.9	mg/Kg dry		43.3		7.05		10	
Zinc	271	5.7	mg/Kg dry		266		2.04		10	

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015060 - SW-846 3050B

Matrix Spike (B015060-MS1)		Source: 10F0382-26RE1			Prepared: 06/17/10 Analyzed: 06/18/10					
Barium	373	2.9	mg/Kg dry	28.6	421	-168	*	75-125		MS-19
Chromium	74.1	0.57	mg/Kg dry	28.6	43.3	108		75-125		
Nickel	44.2	0.57	mg/Kg dry	28.6	12.8	110		75-125		
Zinc	254	1.1	mg/Kg dry	28.6	266	-40.7	*	75-125		MS-19

Matrix Spike Dup (B015060-MSD1)			Source: 10F0382-26RE1			Prepared: 06/17/10		Analyzed: 06/18/10				
Barium	758	2.8	mg/Kg dry	28.4	421	1190	*	75-125	68.0	*	35	MS-19
Chromium	77.8	0.57	mg/Kg dry	28.4	43.3	122		75-125	4.88	35		
Nickel	42.7	0.57	mg/Kg dry	28.4	12.8	105		75-125	3.35	35		
Zinc	300	1.1	mg/Kg dry	28.4	266	121		75-125	16.6	35		

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014944 - SW-846 9045D										
Duplicate (B014944-DUP1)	Source: 10F0382-06		Prepared & Analyzed: 06/15/10							
pH	5.3		pH Units		5.0			4.86	6.28	
Duplicate (B014944-DUP2)	Source: 10F0382-18		Prepared & Analyzed: 06/15/10							
pH	5.5		pH Units		5.4			1.46	6.28	
Duplicate (B014944-DUP3)	Source: 10F0382-21		Prepared & Analyzed: 06/15/10							
pH	5.8		pH Units		5.9			2.57	6.28	
Duplicate (B014944-DUP4)	Source: 10F0382-37		Prepared & Analyzed: 06/15/10							
pH	5.8		pH Units		5.8			0.173	6.28	
Batch B014948 - SM2580 A										
Duplicate (B014948-DUP1)	Source: 10F0382-06		Prepared & Analyzed: 06/15/10							
Oxidation/Reduction Potential	116		mV		103			11.9		
Duplicate (B014948-DUP2)	Source: 10F0382-18		Prepared & Analyzed: 06/15/10							
Oxidation/Reduction Potential	145		mV		149			2.72		
Duplicate (B014948-DUP3)	Source: 10F0382-21		Prepared & Analyzed: 06/15/10							
Oxidation/Reduction Potential	146		mV		144			1.38		
Duplicate (B014948-DUP4)	Source: 10F0382-37		Prepared & Analyzed: 06/15/10							
Oxidation/Reduction Potential	127		mV		127			0.00		
Batch B014976 - % Solids										
Duplicate (B014976-DUP2)	Source: 10F0382-01		Prepared & Analyzed: 06/17/10							
% Solids	78.9		% Wt		86.2			8.84	20	

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
M-07	Result is serial dilution as per MA CAM regulation.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-12	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-20	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.
R-01	Duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-08	Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6010B in Soil</i>	
Antimony	CT,NH,NY
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Beryllium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Nickel	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
Thallium	CT,NH,NY
Vanadium	CT,NH,NY
Zinc	CT,NH,NY
<i>SW-846 7471A in Soil</i>	
Mercury	CT,NH,NY
<i>SW-846 8270C in Soil</i>	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Soil</i>	
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 4

Company Name: HLK

Telephone: 978-970-5600

Address: 650 Suffolk St.

Project # 170023

Client PO# 24605

Attention: Ryan Niles

DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Project Location: Elm St. Salisbury, MA.

Fax #

Sampled By: H. Lizza + E. Wachter

Email: ELNiles@TheSolutions.com

Project Proposal Provided? (for billing purposes)
☐ Yes ☐ No

Format: ☐ PDF ☐ EXCEL ☐ OGIS
☐ OTHER

Collection

☐ "Enhanced Data Package"

Con-Test Lab ID
(laboratory use only)

Beginning Date/Time

Ending Date/Time

Composite

Grab

*Matrix

Lab Code

10F0382-01

6/14/10 11:00

11:05

SS-36

SS-35

SS-34

SS-33

SS-32

SS-31

SS-30

SS-29

SS-28

SS-27

Comments:

See EPA Approved DAPP

HOLD all Cr⁶

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature)

Date/Time: 6/14/10 1705

Received by (signature)

Date/Time: 6/14/10 1705

Relinquished by (signature)

Date/Time: 6/14/10 1940

Received by (signature)

Date/Time: 6/14/10 1940

Turnaround ☒ 7-Day

☐ 10-Day

☐ Other

RUSH ☐ 24-Hr ☐ 48-Hr ☐ 72-Hr ☐ 14-Day

Require lab approval

Detection Limit Requirements

Massachusetts: 0.15 mg/L

Connecticut: 0.15 mg/L

Other: 0.15 mg/L

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analysis Certification Form Required

☐ MA State DW Form Required FWSID #



NELAC & AIHA Certified
WBE/DBE Certified

of Containers
** Preservation
*** Container Code

Dissolved Metals
☐ Field Filtered
☐ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summary can
T=tetradar bag
O=Other

**Preservation
I=iced
H=HCL
M=Methanol
N=Nitric Acid
S=Sulfuric Acid
B=Sodium bisulfate
X=Na hydroxide
T=Na thiosulfate
O=Other

*Matrix Code:
GW=groundwater
WW=wastewater
DW=drinking water
A=air
S=soil/solid
SL=sludge
O=other

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 4

Company Name: TRC Telephone: 978-970-5700

Address: 650 Suffolk St. Project # 170023

Attention: Lowell Ma. 01845 Client PO# 24605

Project Location: Salisbury Ma. - Elm St. DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Sampled By: H. Kizza + E. Doehle Email: h.kizza@trcsolutions.com

Project Proposal Provided? (for billing purposes)
☐ yes ☐ no
proposal date

Con-Test Lab ID Client Sample ID / Description

Con-Test Lab ID	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix	Lone	Ende
1050382-11	SS-26	6/14/10	1240		X	S		X
	SS-25		1250		X	S		X
	SS-24		1300		X	S		X
	SS-23		1310		X	S		X
	SS-22		1400		X	S		X
	SS-21		1410		X	S		X
	SS-20		1420		X	S		X
	SS-19		1430		X	S		X
	SS-18		1440		X	S		X
	SS-17		1450		X	S		X

Comments: See EIA Approved QAPP HOLD all Cr +6

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 6/14/10 1705

Received by: (signature) [Signature] Date/Time: 6/14/10 1705

Relinquished by: (signature) [Signature] Date/Time: 6/14/10 1940

Received by: (signature) [Signature] Date/Time: 6/14/10

Turnaround Time (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

ANALYSIS REQUESTED

of Containers
** Preservation
*** Container Code

Dissolved Metals

☐ Field Filtered
☐ Lab to Filter

***Cont. Code:

A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

**Preservation

I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:

GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required
☐ RCP Analysis Certification Form Required
☐ MA State DW Form Required PWSID #



NELAC & AIHA Certified
WBEDBE Certified



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 4

Company Name: TRC

Telephone: 978-970-5700

Address: 650 Suffolk St

Project # 170023

Attention: Lynne Niles

Client PO # 24605

Project Location: Elm St. - Elm St.

DATA DELIVERY (check all that apply)
☐ FAX ☐ EMAIL ☐ WEBSITE

Sampled By: H. Kozak & E. Wachtel

Fax #

Email: ANALYST@contestlabs.com

Project Proposal Provided? (for billing purposes)
☐ Yes ☐ No

Format:

☐ PDF ☐ EXCEL ☐ GIS
☐ OTHER

Con-Test Lab ID

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

*Matrix

Lab Code

Enhanced Data Package

SVOCs

MCP Metals + Hg

ORP

pH

Cr +6 (HOLD)

ANALYSIS REQUESTED

of Containers

** Preservation

*** Container Code

11E0382-71

6/14/10

1500

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

72

SS-15

1505

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

73

SS-14

1515

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

74

SS-13

1525

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

75

SS-12

1535

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

76

SS-11

1545

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

77

SS-10

1550

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

78

SS-9

1555

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

79

SS-8

1600

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

80

SS-7

1605

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Relinquished by: (signature)

Date/Time: 6/14/10 1705

Turnaround ☒ 7-Day

Detection Limit Requirements

Massachusetts:

Connecticut:

Other:

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analysis Certification Form Required

☐ MA State DW Form Required PWSD #

NEIAC & AIHA Certified

WBE/DBE Certified

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

Received by: (signature)

Date/Time: 6/14/10 1705

Turnaround ☐ 7-Day

Detection Limit Requirements

Massachusetts:

Connecticut:

Other:

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analysis Certification Form Required

☐ MA State DW Form Required PWSD #

NEIAC & AIHA Certified

WBE/DBE Certified

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

Relinquished by: (signature)

Date/Time: 6/14/10 1940

Turnaround ☐ 7-Day

Detection Limit Requirements

Massachusetts:

Connecticut:

Other:

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analysis Certification Form Required

☐ MA State DW Form Required PWSD #

NEIAC & AIHA Certified

WBE/DBE Certified

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

Received by: (signature)

Date/Time: 6/14/10 1940

Turnaround ☐ 7-Day

Detection Limit Requirements

Massachusetts:

Connecticut:

Other:

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required

☐ RCP Analysis Certification Form Required

☐ MA State DW Form Required PWSD #

NEIAC & AIHA Certified

WBE/DBE Certified

Matrix Code:

GW = groundwater

WW = wastewater

DW = drinking water

A = air

S = soil/solid

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 4 of 4

Company Name: TRC Telephone: 978-976-5600

Address: 650 Saffell St. Project # 176023

Attention: Ryan Aries Client PO# 24605

Project Location: Elm St. Salisbury Ma. DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Sampled By: H. Lizzia + E. Backel Email: lizzia@trc-solutions.com

Project Proposal Provided? (for billing purposes)
☐ yes ☐ no proposal date

Con-Test Lab ID Client Sample ID / Description

Collection

Beginning Date/Time Ending Date/Time Composite Grab

*Matrix

Date Code

Enhanced Data Package

OPDF CEXCEL CGIS

OTHER

Matrix

Date Code

Enhanced Data Package

OPDF CEXCEL CGIS

OTHER

Matrix

Date Code

Enhanced Data Package

OPDF CEXCEL CGIS

OTHER

10F0382-31 DOR-1 6/14/10

-32 SS-6 1610

-33 SS-5 1615

-34 SS-4 1620

-35 SS-3 1625

-36 SS-2 1630

-37 SS-1 1635

-38 DOR-2

Comments:

See EPA Approved QAPP

HOLD all Cth

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature) Date/Time: 6/14/10 1705

Received by (signature) Date/Time: 6/14/10 1705

Relinquished by (signature) Date/Time: 6/14/10 1705

Received by (signature) Date/Time: 6/14/10 1705

Turnaround Time (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

ANALYSIS REQUESTED

Disolved Metals

☐ Field Filtered
☐ Lab to Filter

***Cont. Code:

A=amber glass
G=glass
P=plastic
ST=sterile
V= vial

S=summary can
T=tiedar bag
O=Other

***Preservation

I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid

B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

***Matrix Code:

GW = groundwater
WW = wastewater
DW = drinking water
S = soil/solid
SL = sludge
O = other

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required
☐ RCP Analysis Certification Form Required
☐ MA State DW Form Required PWSID #



NELAC & AIHA Certified
WBE/DBE Certified

Sample Receipt Checklist

CLIENT NAME:

TRC

RECEIVED BY:

CEC

DATE:

6/14/10

1) Was the chain(s) of custody relinquished and signed?

Yes ☒ No ☐

2) Does the chain agree with the samples?

Yes ☒ No ☐

If not, explain:

3) Are all the samples in good condition?

Yes ☒ No ☐

If not, explain:

4) How were the samples received:

On Ice ☐Direct from Sampling ☐Ambient ☐In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)?

Yes ☒ No ☐

Temperature °C by Temp blank

3.0

Temperature °C by Temp gun

5) Are there Dissolved samples for the lab to filter?

Yes ☐ No ☒

Who was notified

Date

Time

6) Are there any samples "On Hold"?

Yes ☐ No ☒

Stored where:

7) Are there any RUSH or SHORT HOLDING TIME samples?

Yes ☐ No ☒

Who was notified

Date

Time

8) Location where samples are stored:

10

 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved

Client Signature:

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	37
250 mL Amber (8oz amber)	42	2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

 40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10F0382

Project Location: Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10F0382-01 thru 10F0382-38

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	8082 PCB CAM V A ()	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☐ Yes ☒ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 08/11/10

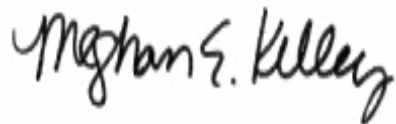
August 12, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 29 Elm St., Salisbury, MA
Client Job Number:
Project Number: 170023
Laboratory Work Order Number: 10F0453

Enclosed are results of analyses for samples received by the laboratory on June 16, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive, flowing style.

Meghan E. Kelley
Project Manager

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/12/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0453

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP-117 (3-4ft)	10F0453-01	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-117 (5-6ft)	10F0453-02	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-118 (3-4ft)	10F0453-03	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-119 (4-5ft)	10F0453-04	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-120 (1-3ft)	10F0453-05	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-121 (1-3ft)	10F0453-06	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-116 (1-2ft)	10F0453-07	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-115 (1-4ft)	10F0453-08	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 8/12/2010

PURCHASE ORDER NUMBER: 24589

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10F0453

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Dup-5	10F0453-09	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-114 (2-3ft)	10F0453-10	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-113 (1-3ft)	10F0453-11	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-110 (1-2ft)	10F0453-12	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-111 (2-3ft)	10F0453-13	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	
TP-112 (1-1.5ft)	10F0453-14	Soil		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471A SW-846 8270C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Revised Report - 08/12/2010 - Report updated with clients requests.

For method 6010, Be hits for samples 10F0453-06, 08, and 09 and true Sb hits for 10F0453-01 - 10 were confirmed by method 7000.

For the MA EPH method, only carbon ranges were requested and reported.

For the MA EPH method, samples 10F0453-09, -13, and -14 contained precipitate in extracts which interferes with fractionation. Two times dilutions were performed in order to help facilitate the fractionation procedure.

For mercury analysis, samples were analyzed per method 7471A.

MADEP-EPH-04-1.1**Qualifications:**

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:**C19-C36 Aliphatics**B015142-MS1

Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.

Analyte & Samples(s) Qualified:**C11-C22 Aromatics, Unadjusted C11-C22 Aromatics**

10F0453-01[TP-117 (3-4ft)], 10F0453-02[TP-117 (5-6ft)], 10F0453-10[TP-114 (2-3ft)], 10F0453-11[TP-113 (1-3ft)], 10F0453-12[TP-110 (1-2ft)], 10F0453-13[TP-111 (2-3ft)]

SW-846 6010B**Qualifications:**

Result is serial dilution as per MA CAM regulation.

Analyte & Samples(s) Qualified:B015147-DUP3

Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Antimony**10F0453-12[TP-110 (1-2ft)], B015147-MS1, B015147-MSD1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:**Barium, Chromium, Lead, Zinc**10F0453-12[TP-110 (1-2ft)], B015147-MS1, B015147-MSD1

Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.

Analyte & Samples(s) Qualified:**Chromium**10F0453-12[TP-110 (1-2ft)], B015147-DUP1

Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).

Analyte & Samples(s) Qualified:**Silver**10F0453-12[TP-110 (1-2ft)], B015147-DUP1

SW-846 8270C**Qualifications:**

Compound classified by MA CAM as difficult with acceptable recoveries of 15-140%. Recovery does not meet criteria of 40-140% for Base/Neutral or 30-130% for Acids but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:**4-Chloroaniline**

B015155-BS1, B015155-BSD1

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 3,3-Dichlorobenzidine, 4-Bromophenylphenylether, 4-Chloroaniline, Acenaphthene, Acenaphthylene, Acetophenone, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Butylbenzylphthalate, Chrysene, Dibenz(a,h)anthracene, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-butylphthalate, Di-n-octylphthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, Nitrobenzene, Phenanthrene, Phenol, Pyrene

10F0453-01[TP-117 (3-4ft)], 10F0453-02[TP-117 (5-6ft)], 10F0453-03[TP-118 (3-4ft)], 10F0453-11[TP-113 (1-3ft)]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:**2,4,6-Tribromophenol, 2-Fluorobiphenyl, 2-Fluorophenol, Nitrobenzene-d5, Phenol-d6, Terphenyl-d14**

10F0453-01RE1[TP-117 (3-4ft)], 10F0453-02RE1[TP-117 (5-6ft)], 10F0453-03RE1[TP-118 (3-4ft)], 10F0453-10RE1[TP-114 (2-3ft)], 10F0453-11RE1[TP-113 (1-3ft)]

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Daren J. Damboragian
Laboratory Manager

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (3-4ft)

Sampled: 6/16/2010 08:50

Sample ID: 10F0453-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Acenaphthylene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Acetophenone	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Aniline	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Anthracene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Benzo(a)anthracene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Benzo(a)pyrene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Benzo(b)fluoranthene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Benzo(g,h,i)perylene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Benzo(k)fluoranthene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Bis(2-chloroethoxy)methane	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Bis(2-chloroethyl)ether	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Bis(2-chloroisopropyl)ether	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Bis(2-Ethylhexyl)phthalate	3100	540	mg/Kg dry	500		SW-846 8270C	6/21/10	6/22/10 16:17	BGL
4-Bromophenylphenylether	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Butylbenzylphthalate	ND	21	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
4-Chloroaniline	ND	21	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2-Chloronaphthalene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2-Chlorophenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Chrysene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Dibenz(a,h)anthracene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Dibenzofuran	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Di-n-butylphthalate	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
1,2-Dichlorobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
1,3-Dichlorobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
1,4-Dichlorobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
3,3-Dichlorobenzidine	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4-Dichlorophenol	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Diethylphthalate	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4-Dimethylphenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Dimethylphthalate	ND	21	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4-Dinitrophenol	ND	21	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4-Dinitrotoluene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,6-Dinitrotoluene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Di-n-octylphthalate	ND	21	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Fluoranthene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Fluorene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Hexachlorobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Hexachlorobutadiene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Hexachloroethane	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Indeno(1,2,3-cd)pyrene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Isophorone	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2-Methylnaphthalene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (3-4ft)

Sampled: 6/16/2010 08:50

Sample ID: 10F0453-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
3/4-Methylphenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Naphthalene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Nitrobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2-Nitrophenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
4-Nitrophenol	ND	21	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Pentachlorophenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Phenanthrene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Phenol	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Pyrene	ND	5.4	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
1,2,4-Trichlorobenzene	ND	11	mg/Kg dry	10	RL-05	SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4,5-Trichlorophenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
2,4,6-Trichlorophenol	ND	11	mg/Kg dry	10		SW-846 8270C	6/21/10	6/22/10 14:43	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	46.2	30-130							
2-Fluorophenol	*	30-130	S-01						
Phenol-d6	35.5	30-130							
Phenol-d6	*	30-130	S-01						
Nitrobenzene-d5	56.8	30-130							
Nitrobenzene-d5	*	30-130	S-01						
2-Fluorobiphenyl	42.2	30-130							
2-Fluorobiphenyl	*	30-130	S-01						
2,4,6-Tribromophenol	52.3	30-130							
2,4,6-Tribromophenol	*	30-130	S-01						
Terphenyl-d14	62.8	30-130							
Terphenyl-d14	*	30-130	S-01						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (3-4ft)

Sampled: 6/16/2010 08:50

Sample ID: 10F0453-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	80	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 18:43	CJM
C19-C36 Aliphatics	870	80	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 18:43	CJM
Unadjusted C11-C22 Aromatics	6900	800	mg/Kg dry	50	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 11:32	CJM
C11-C22 Aromatics	6900	800	mg/Kg dry	50	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 11:32	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	74.1		40-140				6/21/10 18:43		
o-Terphenyl (OTP)	87.2		40-140				6/21/10 18:43		
2-Bromonaphthalene	110		40-140				6/21/10 18:43		
2-Fluorobiphenyl	110		40-140				6/21/10 18:43		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (3-4ft)

Sampled: 6/16/2010 08:50

Sample ID: 10F0453-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	14	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:34	OP
Arsenic	16	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:34	OP
Barium	4600	40	mg/Kg dry	10		SW-846 6010B	6/21/10	6/22/10 10:21	OP
Beryllium	ND	0.40	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:32	OP
Cadmium	65	0.40	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP
Chromium	210	0.80	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP
Lead	560	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:23	KSH
Mercury	0.51	0.036	mg/Kg dry	1		SW-846 7471A	6/18/10	6/18/10 14:21	MPF
Nickel	21	0.80	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:34	OP
Selenium	ND	8.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:34	OP
Silver	ND	0.80	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP
Thallium	ND	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP
Vanadium	24	1.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP
Zinc	1900	1.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:33	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (3-4ft)

Sampled: 6/16/2010 08:50

Sample ID: 10F0453-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	62.4		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (5-6ft)

Sampled: 6/16/2010 09:00

Sample ID: 10F0453-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Acenaphthylene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Acetophenone	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Aniline	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Anthracene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Benzo(a)anthracene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Benzo(a)pyrene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Benzo(b)fluoranthene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Benzo(g,h,i)perylene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Benzo(k)fluoranthene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Bis(2-chloroethoxy)methane	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Bis(2-chloroethyl)ether	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Bis(2-chloroisopropyl)ether	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Bis(2-Ethylhexyl)phthalate	340	52	mg/Kg dry	100		SW-846 8270C	6/21/10	6/22/10 16:48	BGL
4-Bromophenylphenylether	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Butylbenzylphthalate	ND	5.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
4-Chloroaniline	ND	5.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2-Chloronaphthalene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2-Chlorophenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Chrysene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Dibenz(a,h)anthracene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Dibenzofuran	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Di-n-butylphthalate	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
1,2-Dichlorobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
1,3-Dichlorobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
1,4-Dichlorobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
3,3-Dichlorobenzidine	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4-Dichlorophenol	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Diethylphthalate	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4-Dimethylphenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Dimethylphthalate	ND	5.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4-Dinitrophenol	ND	5.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4-Dinitrotoluene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,6-Dinitrotoluene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Di-n-octylphthalate	ND	5.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Fluoranthene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Fluorene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Hexachlorobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Hexachlorobutadiene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Hexachloroethane	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Indeno(1,2,3-cd)pyrene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Isophorone	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2-Methylnaphthalene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (5-6ft)

Sampled: 6/16/2010 09:00

Sample ID: 10F0453-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
3/4-Methylphenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Naphthalene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Nitrobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2-Nitrophenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
4-Nitrophenol	ND	5.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Pentachlorophenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Phenanthrene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Phenol	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
Pyrene	ND	1.3	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
1,2,4-Trichlorobenzene	ND	2.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4,5-Trichlorophenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL
2,4,6-Trichlorophenol	ND	2.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:15	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	87.5	30-130		6/22/10 15:15
2-Fluorophenol	*	30-130	S-01	6/22/10 16:48
Phenol-d6	*	30-130	S-01	6/22/10 16:48
Phenol-d6	63.1	30-130		6/22/10 15:15
Nitrobenzene-d5	94.4	30-130		6/22/10 15:15
Nitrobenzene-d5	*	30-130	S-01	6/22/10 16:48
2-Fluorobiphenyl	56.2	30-130		6/22/10 15:15
2-Fluorobiphenyl	*	30-130	S-01	6/22/10 16:48
2,4,6-Tribromophenol	*	30-130	S-01	6/22/10 16:48
2,4,6-Tribromophenol	86.3	30-130		6/22/10 15:15
Terphenyl-d14	*	30-130	S-01	6/22/10 16:48
Terphenyl-d14	63.6	30-130		6/22/10 15:15

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (5-6ft)

Sampled: 6/16/2010 09:00

Sample ID: 10F0453-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:05	CJM
C19-C36 Aliphatics	30	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:05	CJM
Unadjusted C11-C22 Aromatics	190	15	mg/Kg dry	1	Q-01	MADEP-EPH-04-1.1	6/19/10	6/21/10 19:05	CJM
C11-C22 Aromatics	190	15	mg/Kg dry	1	Q-01	MADEP-EPH-04-1.1	6/19/10	6/21/10 19:05	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	77.5		40-140				6/21/10 19:05		
o-Terphenyl (OTP)	84.8		40-140				6/21/10 19:05		
2-Bromonaphthalene	103		40-140				6/21/10 19:05		
2-Fluorobiphenyl	101		40-140				6/21/10 19:05		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (5-6ft)

Sampled: 6/16/2010 09:00

Sample ID: 10F0453-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	49	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Arsenic	4.6	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Barium	740	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Beryllium	ND	0.38	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:52	OP
Cadmium	6.0	0.38	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Chromium	53	0.76	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Lead	260	1.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:27	KSH
Mercury	0.19	0.025	mg/Kg dry	1		SW-846 7471A	6/18/10	6/18/10 14:22	MPF
Nickel	7.3	0.76	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Selenium	ND	7.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Silver	ND	0.76	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Thallium	ND	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Vanadium	11	1.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP
Zinc	560	1.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:53	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-117 (5-6ft)

Sampled: 6/16/2010 09:00

Sample ID: 10F0453-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	65.2		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-118 (3-4ft)

Sampled: 6/16/2010 09:15

Sample ID: 10F0453-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Acenaphthylene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Acetophenone	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Aniline	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Anthracene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Benzo(a)anthracene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Benzo(a)pyrene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Benzo(b)fluoranthene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Benzo(g,h,i)perylene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Benzo(k)fluoranthene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Bis(2-chloroethoxy)methane	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Bis(2-chloroethyl)ether	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Bis(2-chloroisopropyl)ether	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Bis(2-Ethylhexyl)phthalate	240	68	mg/Kg dry	100		SW-846 8270C	6/21/10	6/22/10 17:20	BGL
4-Bromophenylphenylether	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Butylbenzylphthalate	ND	6.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
4-Chloroaniline	ND	6.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2-Chloronaphthalene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2-Chlorophenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Chrysene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Dibenz(a,h)anthracene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Dibenzofuran	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Di-n-butylphthalate	31	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
1,2-Dichlorobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
1,3-Dichlorobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
1,4-Dichlorobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
3,3-Dichlorobenzidine	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4-Dichlorophenol	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Diethylphthalate	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4-Dimethylphenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Dimethylphthalate	ND	6.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4-Dinitrophenol	ND	6.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4-Dinitrotoluene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,6-Dinitrotoluene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Di-n-octylphthalate	ND	6.6	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Fluoranthene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Fluorene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Hexachlorobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Hexachlorobutadiene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Hexachloroethane	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Indeno(1,2,3-cd)pyrene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Isophorone	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2-Methylnaphthalene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-118 (3-4ft)

Sampled: 6/16/2010 09:15

Sample ID: 10F0453-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
3/4-Methylphenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Naphthalene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Nitrobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2-Nitrophenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
4-Nitrophenol	ND	6.6	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Pentachlorophenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Phenanthrene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Phenol	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Pyrene	ND	1.7	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
1,2,4-Trichlorobenzene	ND	3.4	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4,5-Trichlorophenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
2,4,6-Trichlorophenol	ND	3.4	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 15:47	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	*	30-130	S-01				6/22/10 17:20		
2-Fluorophenol	54.9	30-130					6/22/10 15:47		
Phenol-d6	*	30-130	S-01				6/22/10 17:20		
Phenol-d6	49.3	30-130					6/22/10 15:47		
Nitrobenzene-d5	*	30-130	S-01				6/22/10 17:20		
Nitrobenzene-d5	68.6	30-130					6/22/10 15:47		
2-Fluorobiphenyl	*	30-130	S-01				6/22/10 17:20		
2-Fluorobiphenyl	55.2	30-130					6/22/10 15:47		
2,4,6-Tribromophenol	*	30-130	S-01				6/22/10 17:20		
2,4,6-Tribromophenol	66.4	30-130					6/22/10 15:47		
Terphenyl-d14	61.1	30-130					6/22/10 15:47		
Terphenyl-d14	*	30-130	S-01				6/22/10 17:20		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-118 (3-4ft)

Sampled: 6/16/2010 09:15

Sample ID: 10F0453-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	99	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:26	CJM
C19-C36 Aliphatics	970	99	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:26	CJM
Unadjusted C11-C22 Aromatics	1300	99	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:26	CJM
C11-C22 Aromatics	1200	99	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:26	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	72.6		40-140				6/21/10 19:26		
o-Terphenyl (OTP)	80.9		40-140				6/21/10 19:26		
2-Bromonaphthalene	101		40-140				6/21/10 19:26		
2-Fluorobiphenyl	99.7		40-140				6/21/10 19:26		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-118 (3-4ft)

Sampled: 6/16/2010 09:15

Sample ID: 10F0453-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	26	4.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:58	OP
Arsenic	6.7	4.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:58	OP
Barium	1900	4.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:57	OP
Beryllium	ND	0.49	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:56	OP
Cadmium	4.2	0.49	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:58	OP
Chromium	280	0.99	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:57	OP
Lead	1200	1.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:32	KSH
Mercury	0.26	0.047	mg/Kg dry	1		SW-846 7471A	6/18/10	6/18/10 14:24	MPF
Nickel	16	0.99	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:58	OP
Selenium	ND	9.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:58	OP
Silver	ND	0.99	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:57	OP
Thallium	ND	4.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:57	OP
Vanadium	14	2.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:57	OP
Zinc	4900	20	mg/Kg dry	10		SW-846 6010B	6/21/10	6/22/10 10:25	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-118 (3-4ft)

Sampled: 6/16/2010 09:15

Sample ID: 10F0453-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	50.1		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-119 (4-5ft)

Sampled: 6/16/2010 09:30

Sample ID: 10F0453-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Acetophenone	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Aniline	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Anthracene	0.43	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Benzo(a)anthracene	1.1	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Benzo(a)pyrene	1.0	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Benzo(b)fluoranthene	1.1	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Benzo(g,h,i)perylene	0.48	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Benzo(k)fluoranthene	0.45	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Bis(2-chloroethoxy)methane	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Bis(2-chloroethyl)ether	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Bis(2-chloroisopropyl)ether	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Bis(2-Ethylhexyl)phthalate	3.2	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
4-Bromophenylphenylether	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Butylbenzylphthalate	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
4-Chloroaniline	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2-Chloronaphthalene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2-Chlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Chrysene	1.1	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Dibenzofuran	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Di-n-butylphthalate	0.53	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
1,2-Dichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
1,3-Dichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
1,4-Dichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
3,3-Dichlorobenzidine	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4-Dichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Diethylphthalate	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4-Dimethylphenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Dimethylphthalate	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4-Dinitrophenol	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4-Dinitrotoluene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,6-Dinitrotoluene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Di-n-octylphthalate	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Fluoranthene	1.7	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Hexachlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Hexachlorobutadiene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Hexachloroethane	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Indeno(1,2,3-cd)pyrene	0.58	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Isophorone	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-119 (4-5ft)

Sampled: 6/16/2010 09:30

Sample ID: 10F0453-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
3/4-Methylphenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Nitrobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2-Nitrophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
4-Nitrophenol	ND	0.94	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Pentachlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Phenanthrene	1.9	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Phenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Pyrene	1.9	0.24	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
1,2,4-Trichlorobenzene	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4,5-Trichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
2,4,6-Trichlorophenol	ND	0.49	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:20	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	69.8	30-130							
Phenol-d6	69.1	30-130							
Nitrobenzene-d5	70.4	30-130							
2-Fluorobiphenyl	48.2	30-130							
2,4,6-Tribromophenol	69.8	30-130							
Terphenyl-d14	47.2	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-119 (4-5ft)

Sampled: 6/16/2010 09:30

Sample ID: 10F0453-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	14	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:47	CJM
C19-C36 Aliphatics	31	14	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:47	CJM
Unadjusted C11-C22 Aromatics	67	14	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:47	CJM
C11-C22 Aromatics	54	14	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 19:47	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	68.9	40-140						6/21/10 19:47	
o-Terphenyl (OTP)	82.9	40-140						6/21/10 19:47	
2-Bromonaphthalene	99.4	40-140						6/21/10 19:47	
2-Fluorobiphenyl	96.4	40-140						6/21/10 19:47	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-119 (4-5ft)

Sampled: 6/16/2010 09:30

Sample ID: 10F0453-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	3.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Arsenic	39	3.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Barium	2200	3.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Beryllium	ND	0.36	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Cadmium	4.2	0.36	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Chromium	340	0.71	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Lead	1400	1.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:36	KSH
Mercury	0.65	0.028	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:05	MPF
Nickel	100	0.71	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Selenium	ND	7.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Silver	ND	0.71	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Thallium	ND	3.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Vanadium	29	1.4	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP
Zinc	1300	1.4	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:01	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-119 (4-5ft)

Sampled: 6/16/2010 09:30

Sample ID: 10F0453-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	69.8		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-120 (1-3ft)

Sampled: 6/16/2010 10:00

Sample ID: 10F0453-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Acenaphthylene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Acetophenone	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Aniline	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Anthracene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Benzo(a)anthracene	0.61	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Benzo(a)pyrene	0.52	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Benzo(b)fluoranthene	0.61	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Benzo(g,h,i)perylene	0.28	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Benzo(k)fluoranthene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Bis(2-chloroethoxy)methane	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Bis(2-chloroethyl)ether	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Bis(2-chloroisopropyl)ether	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Bis(2-Ethylhexyl)phthalate	11	2.7	mg/Kg dry	5		SW-846 8270C	6/21/10	6/23/10 14:32	BGL
4-Bromophenylphenylether	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Butylbenzylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
4-Chloroaniline	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2-Chloronaphthalene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2-Chlorophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Chrysene	0.67	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Dibenz(a,h)anthracene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Dibenzofuran	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Di-n-butylphthalate	1.4	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
1,2-Dichlorobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
1,3-Dichlorobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
1,4-Dichlorobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
3,3-Dichlorobenzidine	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4-Dichlorophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Diethylphthalate	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4-Dimethylphenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Dimethylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4-Dinitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4-Dinitrotoluene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,6-Dinitrotoluene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Di-n-octylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Fluoranthene	1.1	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Fluorene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Hexachlorobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Hexachlorobutadiene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Hexachloroethane	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Indeno(1,2,3-cd)pyrene	0.32	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Isophorone	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2-Methylnaphthalene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-120 (1-3ft)

Sampled: 6/16/2010 10:00

Sample ID: 10F0453-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
3/4-Methylphenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Naphthalene	ND	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Nitrobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2-Nitrophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
4-Nitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Pentachlorophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Phenanthrene	1.4	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Phenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
Pyrene	1.1	0.27	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
1,2,4-Trichlorobenzene	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4,5-Trichlorophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL
2,4,6-Trichlorophenol	ND	0.54	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 16:52	BGL

Surrogates	% Recovery	Recovery Limits	Flag
2-Fluorophenol	68.3	30-130	6/22/10 16:52
2-Fluorophenol	57.4	30-130	6/23/10 14:32
Phenol-d6	66.2	30-130	6/22/10 16:52
Phenol-d6	51.2	30-130	6/23/10 14:32
Nitrobenzene-d5	68.9	30-130	6/22/10 16:52
Nitrobenzene-d5	58.4	30-130	6/23/10 14:32
2-Fluorobiphenyl	58.8	30-130	6/22/10 16:52
2-Fluorobiphenyl	49.3	30-130	6/23/10 14:32
2,4,6-Tribromophenol	70.5	30-130	6/22/10 16:52
2,4,6-Tribromophenol	58.9	30-130	6/23/10 14:32
Terphenyl-d14	53.6	30-130	6/22/10 16:52
Terphenyl-d14	55.7	30-130	6/23/10 14:32

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-120 (1-3ft)

Sampled: 6/16/2010 10:00

Sample ID: 10F0453-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	16	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:15	CJM
C19-C36 Aliphatics	58	16	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:15	CJM
Unadjusted C11-C22 Aromatics	96	16	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:15	CJM
C11-C22 Aromatics	78	16	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:15	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	80.0	40-140						6/21/10 22:15	
o-Terphenyl (OTP)	86.0	40-140						6/21/10 22:15	
2-Bromonaphthalene	101	40-140						6/21/10 22:15	
2-Fluorobiphenyl	97.5	40-140						6/21/10 22:15	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-120 (1-3ft)

Sampled: 6/16/2010 10:00

Sample ID: 10F0453-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	41	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Arsenic	34	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Barium	11000	79	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:28	OP
Beryllium	ND	0.40	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Cadmium	35	0.40	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Chromium	950	0.79	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Lead	1000	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:40	KSH
Mercury	0.16	0.029	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:07	MPF
Nickel	24	0.79	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Selenium	ND	7.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Silver	ND	0.79	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Thallium	ND	4.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Vanadium	26	1.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:05	OP
Zinc	8400	32	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:28	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-120 (1-3ft)

Sampled: 6/16/2010 10:00

Sample ID: 10F0453-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	63.3		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-121 (1-3ft)

Sampled: 6/16/2010 10:30

Sample ID: 10F0453-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.52	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Anthracene	0.79	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Benzo(a)anthracene	1.5	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Benzo(a)pyrene	1.3	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Benzo(b)fluoranthene	1.7	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Benzo(g,h,i)perylene	0.47	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Benzo(k)fluoranthene	0.65	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Bis(2-Ethylhexyl)phthalate	2.6	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Butylbenzylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
4-Chloroaniline	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Chrysene	1.5	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Dibenzofuran	0.50	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Di-n-butylphthalate	1.2	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Dimethylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4-Dinitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Di-n-octylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Fluoranthene	2.8	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Fluorene	0.49	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Indeno(1,2,3-cd)pyrene	0.60	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2-Methylnaphthalene	0.27	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-121 (1-3ft)

Sampled: 6/16/2010 10:30

Sample ID: 10F0453-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Naphthalene	0.44	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
4-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Phenanthrene	3.7	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Pyrene	2.2	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:25	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	64.8	30-130						6/22/10 17:25	
Phenol-d6	62.1	30-130						6/22/10 17:25	
Nitrobenzene-d5	66.3	30-130						6/22/10 17:25	
2-Fluorobiphenyl	56.6	30-130						6/22/10 17:25	
2,4,6-Tribromophenol	62.7	30-130						6/22/10 17:25	
Terphenyl-d14	48.8	30-130						6/22/10 17:25	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-121 (1-3ft)

Sampled: 6/16/2010 10:30

Sample ID: 10F0453-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:36	CJM
C19-C36 Aliphatics	82	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:36	CJM
Unadjusted C11-C22 Aromatics	83	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:36	CJM
C11-C22 Aromatics	66	12	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:36	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	75.9		40-140				6/21/10 22:36		
o-Terphenyl (OTP)	82.4		40-140				6/21/10 22:36		
2-Bromonaphthalene	99.6		40-140				6/21/10 22:36		
2-Fluorobiphenyl	96.3		40-140				6/21/10 22:36		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-121 (1-3ft)

Sampled: 6/16/2010 10:30

Sample ID: 10F0453-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	30	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Arsenic	49	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Barium	9900	62	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:32	OP
Beryllium	1.3	0.31	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:08	OP
Cadmium	5.7	0.31	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Chromium	480	0.62	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Lead	790	0.93	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:45	KSH
Mercury	0.13	0.023	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:08	MPF
Nickel	30	0.62	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Silver	0.94	0.62	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Vanadium	37	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP
Zinc	1900	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:09	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-121 (1-3ft)

Sampled: 6/16/2010 10:30

Sample ID: 10F0453-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.1		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-116 (1-2ft)

Sampled: 6/16/2010 11:15

Sample ID: 10F0453-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Acenaphthylene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Acetophenone	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Aniline	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Benzo(a)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Benzo(a)pyrene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Benzo(b)fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Benzo(g,h,i)perylene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Benzo(k)fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Bis(2-chloroethoxy)methane	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Bis(2-chloroethyl)ether	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Bis(2-chloroisopropyl)ether	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Bis(2-Ethylhexyl)phthalate	0.86	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
4-Bromophenylphenylether	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Butylbenzylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
4-Chloroaniline	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2-Chloronaphthalene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2-Chlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Chrysene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Dibenz(a,h)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Dibenzofuran	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Di-n-butylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
1,2-Dichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
1,3-Dichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
1,4-Dichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
3,3-Dichlorobenzidine	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4-Dichlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Diethylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4-Dimethylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Dimethylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4-Dinitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4-Dinitrotoluene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,6-Dinitrotoluene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Di-n-octylphthalate	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Fluorene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Hexachlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Hexachlorobutadiene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Hexachloroethane	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Isophorone	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2-Methylnaphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-116 (1-2ft)

Sampled: 6/16/2010 11:15

Sample ID: 10F0453-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
3/4-Methylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Naphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Nitrobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2-Nitrophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
4-Nitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Pentachlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Phenanthrene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Phenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Pyrene	ND	0.26	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
1,2,4-Trichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4,5-Trichlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
2,4,6-Trichlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 17:57	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	68.7		30-130				6/22/10 17:57		
Phenol-d6	62.7		30-130				6/22/10 17:57		
Nitrobenzene-d5	71.2		30-130				6/22/10 17:57		
2-Fluorobiphenyl	54.8		30-130				6/22/10 17:57		
2,4,6-Tribromophenol	76.5		30-130				6/22/10 17:57		
Terphenyl-d14	57.7		30-130				6/22/10 17:57		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-116 (1-2ft)

Sampled: 6/16/2010 11:15

Sample ID: 10F0453-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:57	CJM
C19-C36 Aliphatics	23	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:57	CJM
Unadjusted C11-C22 Aromatics	ND	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:57	CJM
C11-C22 Aromatics	ND	15	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 22:57	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	75.3		40-140				6/21/10 22:57		
o-Terphenyl (OTP)	82.4		40-140				6/21/10 22:57		
2-Bromonaphthalene	94.6		40-140				6/21/10 22:57		
2-Fluorobiphenyl	91.5		40-140				6/21/10 22:57		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-116 (1-2ft)

Sampled: 6/16/2010 11:15

Sample ID: 10F0453-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	28	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Arsenic	45	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Barium	18000	75	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:36	OP
Beryllium	ND	0.38	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:12	OP
Cadmium	7.6	0.38	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Chromium	1100	0.75	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Lead	990	1.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:49	KSH
Mercury	0.10	0.029	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:10	MPF
Nickel	36	0.75	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Selenium	ND	7.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Silver	ND	0.75	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Thallium	ND	3.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Vanadium	43	1.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:13	OP
Zinc	64000	30	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:36	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-116 (1-2ft)

Sampled: 6/16/2010 11:15

Sample ID: 10F0453-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	66.1		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-115 (1-4ft)

Sampled: 6/16/2010 11:25

Sample ID: 10F0453-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Acetophenone	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Aniline	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Benzo(a)anthracene	0.31	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Benzo(a)pyrene	0.29	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Benzo(b)fluoranthene	0.35	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Bis(2-chloroethoxy)methane	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Bis(2-chloroethyl)ether	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Bis(2-chloroisopropyl)ether	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Bis(2-Ethylhexyl)phthalate	0.99	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
4-Bromophenylphenylether	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Butylbenzylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
4-Chloroaniline	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2-Chloronaphthalene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2-Chlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Chrysene	0.42	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Dibenzofuran	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Di-n-butylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
1,2-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
1,3-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
1,4-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4-Dichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Diethylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4-Dimethylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Dimethylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4-Dinitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,6-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Di-n-octylphthalate	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Fluoranthene	0.58	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Hexachlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Hexachlorobutadiene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Hexachloroethane	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Isophorone	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-115 (1-4ft)

Sampled: 6/16/2010 11:25

Sample ID: 10F0453-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
3/4-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Nitrobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2-Nitrophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
4-Nitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Pentachlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Phenanthrene	0.64	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Phenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Pyrene	0.52	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
1,2,4-Trichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4,5-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
2,4,6-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 18:29	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	57.8		30-130				6/22/10 18:29		
Phenol-d6	57.9		30-130				6/22/10 18:29		
Nitrobenzene-d5	62.5		30-130				6/22/10 18:29		
2-Fluorobiphenyl	57.5		30-130				6/22/10 18:29		
2,4,6-Tribromophenol	54.9		30-130				6/22/10 18:29		
Terphenyl-d14	50.8		30-130				6/22/10 18:29		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-115 (1-4ft)

Sampled: 6/16/2010 11:25

Sample ID: 10F0453-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:18	CJM
C19-C36 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:18	CJM
Unadjusted C11-C22 Aromatics	34	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:18	CJM
C11-C22 Aromatics	26	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:18	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	72.8		40-140				6/21/10 23:18		
o-Terphenyl (OTP)	85.0		40-140				6/21/10 23:18		
2-Bromonaphthalene	102		40-140				6/21/10 23:18		
2-Fluorobiphenyl	99.7		40-140				6/21/10 23:18		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-115 (1-4ft)

Sampled: 6/16/2010 11:25

Sample ID: 10F0453-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	28	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Arsenic	55	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Barium	9600	65	mg/Kg dry	20		SW-846 6010B	6/21/10	6/22/10 10:40	OP
Beryllium	1.4	0.33	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Cadmium	4.8	0.33	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Chromium	520	0.65	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Lead	1100	0.98	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:53	KSH
Mercury	0.61	0.025	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:12	MPF
Nickel	37	0.65	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Silver	ND	0.65	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Vanadium	45	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP
Zinc	2400	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:17	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-115 (1-4ft)

Sampled: 6/16/2010 11:25

Sample ID: 10F0453-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.3		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: Dup-5

Sampled: 6/16/2010 00:00

Sample ID: 10F0453-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.24	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Acenaphthylene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Acetophenone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Aniline	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Anthracene	0.46	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Benzo(a)anthracene	0.91	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Benzo(a)pyrene	0.73	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Benzo(b)fluoranthene	0.80	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Benzo(g,h,i)perylene	0.56	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Benzo(k)fluoranthene	0.32	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Bis(2-chloroethoxy)methane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Bis(2-chloroethyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Bis(2-chloroisopropyl)ether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Bis(2-Ethylhexyl)phthalate	0.58	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
4-Bromophenylphenylether	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Butylbenzylphthalate	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
4-Chloroaniline	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2-Chloronaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2-Chlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Chrysene	0.95	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Dibenz(a,h)anthracene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Dibenzofuran	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Di-n-butylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
1,2-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
1,3-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
1,4-Dichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
3,3-Dichlorobenzidine	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4-Dichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Diethylphthalate	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4-Dimethylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Dimethylphthalate	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4-Dinitrophenol	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,6-Dinitrotoluene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Di-n-octylphthalate	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Fluoranthene	1.9	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Fluorene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Hexachlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Hexachlorobutadiene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Hexachloroethane	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Indeno(1,2,3-cd)pyrene	0.62	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Isophorone	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2-Methylnaphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: Dup-5

Sampled: 6/16/2010 00:00

Sample ID: 10F0453-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
3/4-Methylphenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Naphthalene	ND	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Nitrobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2-Nitrophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
4-Nitrophenol	ND	0.88	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Pentachlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Phenanthrene	2.1	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Phenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Pyrene	1.9	0.23	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
1,2,4-Trichlorobenzene	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4,5-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
2,4,6-Trichlorophenol	ND	0.45	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:05	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	55.5		30-130				6/23/10 9:05		
Phenol-d6	57.2		30-130				6/23/10 9:05		
Nitrobenzene-d5	55.3		30-130				6/23/10 9:05		
2-Fluorobiphenyl	54.5		30-130				6/23/10 9:05		
2,4,6-Tribromophenol	51.4		30-130				6/23/10 9:05		
Terphenyl-d14	52.8		30-130				6/23/10 9:05		

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: Dup-5

Sampled: 6/16/2010 00:00

Sample ID: 10F0453-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	26	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:39	CJM
C19-C36 Aliphatics	37	26	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:39	CJM
Unadjusted C11-C22 Aromatics	260	26	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:39	CJM
C11-C22 Aromatics	180	26	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/21/10 23:39	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	69.6		40-140				6/21/10 23:39		
o-Terphenyl (OTP)	79.2		40-140				6/21/10 23:39		
2-Bromonaphthalene	98.8		40-140				6/21/10 23:39		
2-Fluorobiphenyl	95.6		40-140				6/21/10 23:39		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: Dup-5

Sampled: 6/16/2010 00:00

Sample ID: 10F0453-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	22	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Arsenic	30	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Barium	6200	33	mg/Kg dry	10		SW-846 6010B	6/21/10	6/22/10 10:45	OP
Beryllium	0.64	0.33	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:20	OP
Cadmium	3.4	0.33	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Chromium	490	0.67	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Lead	920	1.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 15:58	KSH
Mercury	0.50	0.025	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:13	MPF
Nickel	26	0.67	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Selenium	ND	6.7	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Silver	ND	0.67	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Vanadium	31	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP
Zinc	1800	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:22	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Sampled: 6/16/2010 00:00

Field Sample #: Dup-5

Sample ID: 10F0453-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.2		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-114 (2-3ft)

Sampled: 6/16/2010 11:50

Sample ID: 10F0453-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Benzo(a)anthracene	0.38	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Benzo(a)pyrene	0.38	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Benzo(b)fluoranthene	0.56	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Bis(2-Ethylhexyl)phthalate	260	43	mg/Kg dry	100		SW-846 8270C	6/21/10	6/23/10 15:15	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Butylbenzylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
4-Chloroaniline	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Chrysene	0.47	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Di-n-butylphthalate	1.5	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Dimethylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4-Dinitrophenol	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Di-n-octylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Fluoranthene	0.62	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-114 (2-3ft)

Sampled: 6/16/2010 11:50

Sample ID: 10F0453-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
4-Nitrophenol	ND	0.84	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Phenanthrene	0.64	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
Pyrene	0.54	0.22	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/22/10 19:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	68.5	30-130		6/22/10 19:31
2-Fluorophenol	*	30-130	S-01	6/23/10 15:15
Phenol-d6	66.4	30-130		6/22/10 19:31
Phenol-d6	*	30-130	S-01	6/23/10 15:15
Nitrobenzene-d5	67.7	30-130		6/22/10 19:31
Nitrobenzene-d5	*	30-130	S-01	6/23/10 15:15
2-Fluorobiphenyl	57.2	30-130		6/22/10 19:31
2-Fluorobiphenyl	*	30-130	S-01	6/23/10 15:15
2,4,6-Tribromophenol	64.4	30-130		6/22/10 19:31
2,4,6-Tribromophenol	*	30-130	S-01	6/23/10 15:15
Terphenyl-d14	43.6	30-130		6/22/10 19:31
Terphenyl-d14	*	30-130	S-01	6/23/10 15:15

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-114 (2-3ft)

Sampled: 6/16/2010 11:50

Sample ID: 10F0453-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/22/10 0:00	CJM
C19-C36 Aliphatics	45	13	mg/Kg dry	1		MADEP-EPH-04-1.1	6/19/10	6/22/10 0:00	CJM
Unadjusted C11-C22 Aromatics	160	13	mg/Kg dry	1	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 0:00	CJM
C11-C22 Aromatics	150	13	mg/Kg dry	1	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 0:00	CJM
Surrogates	% Recovery	Recovery Limits	Flag						
Chlorooctadecane (COD)	75.9	40-140						6/22/10 0:00	
o-Terphenyl (OTP)	81.6	40-140						6/22/10 0:00	
2-Bromonaphthalene	100	40-140						6/22/10 0:00	
2-Fluorobiphenyl	98.3	40-140						6/22/10 0:00	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-114 (2-3ft)

Sampled: 6/16/2010 11:50

Sample ID: 10F0453-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	24	3.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Arsenic	25	3.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Barium	1800	3.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Beryllium	ND	0.32	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:25	OP
Cadmium	4.8	0.32	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Chromium	190	0.64	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Lead	750	0.95	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 16:02	KSH
Mercury	0.25	0.023	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:15	MPF
Nickel	30	0.64	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Selenium	ND	6.4	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Silver	ND	0.64	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Thallium	ND	3.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Vanadium	25	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP
Zinc	1200	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:26	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-114 (2-3ft)

Sampled: 6/16/2010 11:50

Sample ID: 10F0453-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.5		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-113 (1-3ft)

Sampled: 6/16/2010 12:15

Sample ID: 10F0453-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Acenaphthylene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Acetophenone	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Aniline	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Anthracene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Benzo(a)anthracene	4.1	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Benzo(a)pyrene	3.4	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Benzo(b)fluoranthene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Benzo(g,h,i)perylene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Benzo(k)fluoranthene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Bis(2-chloroethoxy)methane	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Bis(2-chloroethyl)ether	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Bis(2-chloroisopropyl)ether	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Bis(2-Ethylhexyl)phthalate	1300	170	mg/Kg dry	200		SW-846 8270C	6/21/10	6/23/10 12:13	BGL
4-Bromophenylphenylether	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Butylbenzylphthalate	ND	8.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
4-Chloroaniline	ND	8.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2-Chloronaphthalene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2-Chlorophenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Chrysene	4.1	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Dibenz(a,h)anthracene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Dibenzofuran	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Di-n-butylphthalate	20	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
1,2-Dichlorobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
1,3-Dichlorobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
1,4-Dichlorobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
3,3-Dichlorobenzidine	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4-Dichlorophenol	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Diethylphthalate	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4-Dimethylphenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Dimethylphthalate	ND	8.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4-Dinitrophenol	ND	8.0	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4-Dinitrotoluene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,6-Dinitrotoluene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Di-n-octylphthalate	ND	8.0	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Fluoranthene	7.4	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Fluorene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Hexachlorobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Hexachlorobutadiene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Hexachloroethane	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Indeno(1,2,3-cd)pyrene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Isophorone	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2-Methylnaphthalene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-113 (1-3ft)

Sampled: 6/16/2010 12:15

Sample ID: 10F0453-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
3/4-Methylphenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Naphthalene	ND	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Nitrobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2-Nitrophenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
4-Nitrophenol	ND	8.0	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Pentachlorophenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Phenanthrene	4.9	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Phenol	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Pyrene	4.8	2.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
1,2,4-Trichlorobenzene	ND	4.1	mg/Kg dry	5	RL-05	SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4,5-Trichlorophenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
2,4,6-Trichlorophenol	ND	4.1	mg/Kg dry	5		SW-846 8270C	6/21/10	6/22/10 20:03	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	51.6	30-130							
2-Fluorophenol	*	30-130	S-01						
Phenol-d6	41.2	30-130							
Phenol-d6	*	30-130	S-01						
Nitrobenzene-d5	54.9	30-130							
Nitrobenzene-d5	*	30-130	S-01						
2-Fluorobiphenyl	54.9	30-130							
2-Fluorobiphenyl	*	30-130	S-01						
2,4,6-Tribromophenol	56.0	30-130							
2,4,6-Tribromophenol	*	30-130	S-01						
Terphenyl-d14	37.6	30-130							
Terphenyl-d14	*	30-130	S-01						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-113 (1-3ft)

Sampled: 6/16/2010 12:15

Sample ID: 10F0453-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	61	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/22/10 0:21	CJM
C19-C36 Aliphatics	180	61	mg/Kg dry	5		MADEP-EPH-04-1.1	6/19/10	6/22/10 0:21	CJM
Unadjusted C11-C22 Aromatics	2400	300	mg/Kg dry	25	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 12:14	CJM
C11-C22 Aromatics	2400	300	mg/Kg dry	25	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 12:14	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	78.5		40-140				6/22/10 0:21		
o-Terphenyl (OTP)	81.2		40-140				6/22/10 0:21		
2-Bromonaphthalene	93.1		40-140				6/22/10 0:21		
2-Fluorobiphenyl	90.9		40-140				6/22/10 0:21		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-113 (1-3ft)

Sampled: 6/16/2010 12:15

Sample ID: 10F0453-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Arsenic	12	3.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Barium	1900	3.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:29	OP
Cadmium	10	0.30	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Chromium	85	0.61	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Lead	440	0.91	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 16:22	KSH
Mercury	0.13	0.026	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:21	MPF
Nickel	13	0.61	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Vanadium	16	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP
Zinc	400	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:30	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-113 (1-3ft)

Sampled: 6/16/2010 12:15

Sample ID: 10F0453-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-110 (1-2ft)

Sampled: 6/16/2010 12:30

Sample ID: 10F0453-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.24	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Anthracene	0.55	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Benzo(a)anthracene	1.8	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Benzo(a)pyrene	1.6	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Benzo(b)fluoranthene	0.84	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Benzo(g,h,i)perylene	0.72	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Benzo(k)fluoranthene	0.88	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Bis(2-Ethylhexyl)phthalate	190	20	mg/Kg dry	50		SW-846 8270C	6/21/10	6/23/10 12:44	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Chrysene	1.9	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Dibenz(a,h)anthracene	0.23	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Di-n-butylphthalate	1.9	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Fluoranthene	3.1	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Fluorene	0.25	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Indeno(1,2,3-cd)pyrene	0.92	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-110 (1-2ft)

Sampled: 6/16/2010 12:30

Sample ID: 10F0453-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Naphthalene	0.22	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Phenanthrene	2.9	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Pyrene	2.6	0.20	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 9:36	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	70.4	30-130						6/23/10 9:36	
2-Fluorophenol	51.2	30-130						6/23/10 12:44	
Phenol-d6	74.2	30-130						6/23/10 9:36	
Phenol-d6	53.7	30-130						6/23/10 12:44	
Nitrobenzene-d5	63.3	30-130						6/23/10 9:36	
Nitrobenzene-d5	57.0	30-130						6/23/10 12:44	
2-Fluorobiphenyl	53.7	30-130						6/23/10 9:36	
2-Fluorobiphenyl	39.5	30-130						6/23/10 12:44	
2,4,6-Tribromophenol	79.6	30-130						6/23/10 9:36	
2,4,6-Tribromophenol	57.5	30-130						6/23/10 12:44	
Terphenyl-d14	59.5	30-130						6/23/10 9:36	
Terphenyl-d14	71.5	30-130						6/23/10 12:44	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-110 (1-2ft)

Sampled: 6/16/2010 12:30

Sample ID: 10F0453-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 2:48	CJM
C19-C36 Aliphatics	78	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 2:48	CJM
Unadjusted C11-C22 Aromatics	510	23	mg/Kg dry	2	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 2:48	CJM
C11-C22 Aromatics	470	23	mg/Kg dry	2	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 2:48	CJM
Surrogates	% Recovery	Recovery Limits			Flag				
Chlorooctadecane (COD)	61.1	40-140						6/22/10 2:48	
o-Terphenyl (OTP)	69.6	40-140						6/22/10 2:48	
2-Bromonaphthalene	103	40-140						6/22/10 2:48	
2-Fluorobiphenyl	100	40-140						6/22/10 2:48	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-110 (1-2ft)

Sampled: 6/16/2010 12:30

Sample ID: 10F0453-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1	MS-07A	SW-846 6010B	6/21/10	6/21/10 16:09	OP
Arsenic	18	2.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Barium	690	2.9	mg/Kg dry	1	MS-19	SW-846 6010B	6/21/10	6/21/10 16:09	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:08	OP
Cadmium	5.2	0.29	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Chromium	120	0.58	mg/Kg dry	1	MS-19, R-02	SW-846 6010B	6/21/10	6/21/10 16:09	OP
Lead	240	0.87	mg/Kg dry	1	MS-19	SW-846 6010B	6/21/10	6/22/10 14:40	KSH
Mercury	0.28	0.028	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:22	MPF
Nickel	15	0.58	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Silver	2.3	0.58	mg/Kg dry	1	R-04	SW-846 6010B	6/21/10	6/21/10 16:09	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Vanadium	23	1.2	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 16:09	OP
Zinc	270	1.2	mg/Kg dry	1	MS-19	SW-846 6010B	6/21/10	6/21/10 16:09	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-110 (1-2ft)

Sampled: 6/16/2010 12:30

Sample ID: 10F0453-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.6		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-111 (2-3ft)

Sampled: 6/16/2010 12:45

Sample ID: 10F0453-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Anthracene	0.25	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Benzo(a)anthracene	0.97	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Benzo(a)pyrene	0.88	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Benzo(b)fluoranthene	1.0	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Benzo(g,h,i)perylene	0.52	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Benzo(k)fluoranthene	0.40	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Bis(2-Ethylhexyl)phthalate	66	17	mg/Kg dry	40		SW-846 8270C	6/21/10	6/23/10 13:15	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Butylbenzylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Chrysene	1.0	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Di-n-butylphthalate	0.71	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Dimethylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Di-n-octylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Fluoranthene	1.8	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Indeno(1,2,3-cd)pyrene	0.61	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-111 (2-3ft)

Sampled: 6/16/2010 12:45

Sample ID: 10F0453-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Phenanthrene	1.4	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Pyrene	1.6	0.21	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:06	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	73.2	30-130						6/23/10 13:15	
2-Fluorophenol	60.8	30-130						6/23/10 10:06	
Phenol-d6	65.4	30-130						6/23/10 10:06	
Phenol-d6	61.8	30-130						6/23/10 13:15	
Nitrobenzene-d5	62.4	30-130						6/23/10 10:06	
Nitrobenzene-d5	81.6	30-130						6/23/10 13:15	
2-Fluorobiphenyl	64.0	30-130						6/23/10 13:15	
2-Fluorobiphenyl	56.5	30-130						6/23/10 10:06	
2,4,6-Tribromophenol	60.2	30-130						6/23/10 13:15	
2,4,6-Tribromophenol	72.9	30-130						6/23/10 10:06	
Terphenyl-d14	55.3	30-130						6/23/10 10:06	
Terphenyl-d14	81.2	30-130						6/23/10 13:15	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-111 (2-3ft)

Sampled: 6/16/2010 12:45

Sample ID: 10F0453-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:10	CJM
C19-C36 Aliphatics	63	25	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:10	CJM
Unadjusted C11-C22 Aromatics	240	25	mg/Kg dry	2	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 3:10	CJM
C11-C22 Aromatics	180	25	mg/Kg dry	2	Q-01	MADEP-EPH-04-1.1	6/19/10	6/22/10 3:10	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	76.9		40-140				6/22/10 3:10		
o-Terphenyl (OTP)	84.2		40-140				6/22/10 3:10		
2-Bromonaphthalene	101		40-140				6/22/10 3:10		
2-Fluorobiphenyl	97.4		40-140				6/22/10 3:10		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-111 (2-3ft)

Sampled: 6/16/2010 12:45

Sample ID: 10F0453-13

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Arsenic	15	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Barium	530	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Beryllium	ND	0.31	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:48	OP
Cadmium	3.2	0.31	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Chromium	140	0.63	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Lead	260	0.94	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 16:27	KSH
Mercury	0.38	0.020	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:29	MPF
Nickel	11	0.63	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Silver	11	0.63	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Vanadium	17	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP
Zinc	310	1.3	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:49	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-111 (2-3ft)

Sampled: 6/16/2010 12:45

Sample ID: 10F0453-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.8		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-112 (1-1.5ft)

Sampled: 6/16/2010 13:00

Sample ID: 10F0453-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Anthracene	0.49	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Benzo(a)anthracene	1.8	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Benzo(a)pyrene	1.6	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Benzo(b)fluoranthene	2.1	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Benzo(g,h,i)perylene	0.79	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Benzo(k)fluoranthene	0.81	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Bis(2-Ethylhexyl)phthalate	28	15	mg/Kg dry	40		SW-846 8270C	6/21/10	6/23/10 13:47	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Chrysene	2.1	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Dibenz(a,h)anthracene	0.23	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Di-n-butylphthalate	2.8	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Fluoranthene	3.5	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Indeno(1,2,3-cd)pyrene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-112 (1-1.5ft)

Sampled: 6/16/2010 13:00

Sample ID: 10F0453-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Phenanthrene	2.7	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Pyrene	3.6	0.19	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	6/21/10	6/23/10 10:37	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	59.6	30-130							
2-Fluorophenol	71.4	30-130							
Phenol-d6	56.6	30-130							
Phenol-d6	79.1	30-130							
Nitrobenzene-d5	63.6	30-130							
Nitrobenzene-d5	68.1	30-130							
2-Fluorobiphenyl	53.2	30-130							
2-Fluorobiphenyl	64.1	30-130							
2,4,6-Tribromophenol	56.0	30-130							
2,4,6-Tribromophenol	76.7	30-130							
Terphenyl-d14	76.4	30-130							
Terphenyl-d14	72.2	30-130							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-112 (1-1.5ft)

Sampled: 6/16/2010 13:00

Sample ID: 10F0453-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:31	CJM
C19-C36 Aliphatics	32	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:31	CJM
Unadjusted C11-C22 Aromatics	170	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:31	CJM
C11-C22 Aromatics	120	23	mg/Kg dry	2		MADEP-EPH-04-1.1	6/19/10	6/22/10 3:31	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	65.3		40-140				6/22/10 3:31		
o-Terphenyl (OTP)	78.0		40-140				6/22/10 3:31		
2-Bromonaphthalene	98.1		40-140				6/22/10 3:31		
2-Fluorobiphenyl	94.8		40-140				6/22/10 3:31		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-112 (1-1.5ft)

Sampled: 6/16/2010 13:00

Sample ID: 10F0453-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Arsenic	23	2.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Barium	5200	28	mg/Kg dry	10		SW-846 6010B	6/21/10	6/22/10 10:49	OP
Beryllium	ND	0.28	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:53	OP
Cadmium	5.6	0.28	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Chromium	220	0.56	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Lead	490	0.84	mg/Kg dry	1		SW-846 6010B	6/21/10	6/22/10 16:31	KSH
Mercury	0.71	0.021	mg/Kg dry	1		SW-846 7471A	6/18/10	6/21/10 14:31	MPF
Nickel	14	0.56	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Silver	2.9	0.56	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Thallium	ND	2.8	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Vanadium	23	1.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP
Zinc	610	1.1	mg/Kg dry	1		SW-846 6010B	6/21/10	6/21/10 17:54	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10F0453

Date Received: 6/16/2010

Field Sample #: TP-112 (1-1.5ft)

Sampled: 6/16/2010 13:00

Sample ID: 10F0453-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	6/17/10	6/18/10 10:06	NH

Sample Extraction Data

Prep Method: SW-846 3546-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0453-01 [TP-117 (3-4ft)]	B015142	20.1	2.00	06/19/10
10F0453-02 [TP-117 (5-6ft)]	B015142	20.1	2.00	06/19/10
10F0453-03 [TP-118 (3-4ft)]	B015142	20.1	2.00	06/19/10
10F0453-04 [TP-119 (4-5ft)]	B015142	20.1	2.00	06/19/10
10F0453-05 [TP-120 (1-3ft)]	B015142	20.1	2.00	06/19/10
10F0453-06 [TP-121 (1-3ft)]	B015142	20.1	2.00	06/19/10
10F0453-07 [TP-116 (1-2ft)]	B015142	20.1	2.00	06/19/10
10F0453-08 [TP-115 (1-4ft)]	B015142	20.1	2.00	06/19/10
10F0453-09 [Dup-5]	B015142	20.1	2.00	06/19/10
10F0453-10 [TP-114 (2-3ft)]	B015142	20.1	2.00	06/19/10
10F0453-11 [TP-113 (1-3ft)]	B015142	20.1	2.00	06/19/10
10F0453-12 [TP-110 (1-2ft)]	B015142	20.1	2.00	06/19/10
10F0453-13 [TP-111 (2-3ft)]	B015142	20.1	2.00	06/19/10
10F0453-14 [TP-112 (1-1.5ft)]	B015142	20.1	2.00	06/19/10

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10F0453-01 [TP-117 (3-4ft)]	B015053	06/17/10
10F0453-02 [TP-117 (5-6ft)]	B015053	06/17/10
10F0453-03 [TP-118 (3-4ft)]	B015053	06/17/10
10F0453-04 [TP-119 (4-5ft)]	B015053	06/17/10
10F0453-05 [TP-120 (1-3ft)]	B015053	06/17/10
10F0453-06 [TP-121 (1-3ft)]	B015053	06/17/10
10F0453-07 [TP-116 (1-2ft)]	B015053	06/17/10
10F0453-08 [TP-115 (1-4ft)]	B015053	06/17/10
10F0453-09 [Dup-5]	B015053	06/17/10
10F0453-10 [TP-114 (2-3ft)]	B015053	06/17/10
10F0453-11 [TP-113 (1-3ft)]	B015053	06/17/10
10F0453-12 [TP-110 (1-2ft)]	B015053	06/17/10
10F0453-13 [TP-111 (2-3ft)]	B015053	06/17/10
10F0453-14 [TP-112 (1-1.5ft)]	B015053	06/17/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0453-01 [TP-117 (3-4ft)]	B015147	1.00	50.0	06/21/10
10F0453-02 [TP-117 (5-6ft)]	B015147	1.01	50.0	06/21/10
10F0453-03 [TP-118 (3-4ft)]	B015147	1.01	50.0	06/21/10
10F0453-04 [TP-119 (4-5ft)]	B015147	1.01	50.0	06/21/10
10F0453-05 [TP-120 (1-3ft)]	B015147	1.00	50.0	06/21/10
10F0453-06 [TP-121 (1-3ft)]	B015147	1.00	50.0	06/21/10
10F0453-07 [TP-116 (1-2ft)]	B015147	1.00	50.0	06/21/10
10F0453-08 [TP-115 (1-4ft)]	B015147	1.01	50.0	06/21/10
10F0453-09 [Dup-5]	B015147	1.00	50.0	06/21/10
10F0453-10 [TP-114 (2-3ft)]	B015147	1.00	50.0	06/21/10
10F0453-11 [TP-113 (1-3ft)]	B015147	1.00	50.0	06/21/10
10F0453-12 [TP-110 (1-2ft)]	B015147	1.00	50.0	06/21/10
10F0453-13 [TP-111 (2-3ft)]	B015147	1.00	50.0	06/21/10
10F0453-14 [TP-112 (1-1.5ft)]	B015147	1.01	50.0	06/21/10

Sample Extraction Data

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0453-01 [TP-117 (3-4ft)]	B015088	0.111	25.0	06/18/10
10F0453-02 [TP-117 (5-6ft)]	B015088	0.154	25.0	06/18/10
10F0453-03 [TP-118 (3-4ft)]	B015088	0.106	25.0	06/18/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0453-04 [TP-119 (4-5ft)]	B015122	0.126	25.0	06/18/10
10F0453-05 [TP-120 (1-3ft)]	B015122	0.138	25.0	06/18/10
10F0453-06 [TP-121 (1-3ft)]	B015122	0.135	25.0	06/18/10
10F0453-07 [TP-116 (1-2ft)]	B015122	0.130	25.0	06/18/10
10F0453-08 [TP-115 (1-4ft)]	B015122	0.132	25.0	06/18/10
10F0453-09 [Dup-5]	B015122	0.133	25.0	06/18/10
10F0453-10 [TP-114 (2-3ft)]	B015122	0.141	25.0	06/18/10
10F0453-11 [TP-113 (1-3ft)]	B015122	0.117	25.0	06/18/10
10F0453-12 [TP-110 (1-2ft)]	B015122	0.103	25.0	06/18/10
10F0453-13 [TP-111 (2-3ft)]	B015122	0.154	25.0	06/18/10
10F0453-14 [TP-112 (1-1.5ft)]	B015122	0.138	25.0	06/18/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10F0453-01 [TP-117 (3-4ft)]	B015155	30.0	2.00	06/21/10
10F0453-01RE1 [TP-117 (3-4ft)]	B015155	30.0	2.00	06/21/10
10F0453-02 [TP-117 (5-6ft)]	B015155	30.0	1.00	06/21/10
10F0453-02RE1 [TP-117 (5-6ft)]	B015155	30.0	1.00	06/21/10
10F0453-03 [TP-118 (3-4ft)]	B015155	30.1	1.00	06/21/10
10F0453-03RE1 [TP-118 (3-4ft)]	B015155	30.1	1.00	06/21/10
10F0453-04 [TP-119 (4-5ft)]	B015155	30.1	1.00	06/21/10
10F0453-05 [TP-120 (1-3ft)]	B015155	30.1	1.00	06/21/10
10F0453-05RE1 [TP-120 (1-3ft)]	B015155	30.1	1.00	06/21/10
10F0453-06 [TP-121 (1-3ft)]	B015155	30.0	1.00	06/21/10
10F0453-07 [TP-116 (1-2ft)]	B015155	30.0	1.00	06/21/10
10F0453-08 [TP-115 (1-4ft)]	B015155	30.1	1.00	06/21/10
10F0453-09 [Dup-5]	B015155	30.0	1.00	06/21/10
10F0453-10 [TP-114 (2-3ft)]	B015155	30.0	1.00	06/21/10
10F0453-10RE1 [TP-114 (2-3ft)]	B015155	30.0	1.00	06/21/10
10F0453-11 [TP-113 (1-3ft)]	B015155	30.0	2.00	06/21/10
10F0453-11RE1 [TP-113 (1-3ft)]	B015155	30.0	2.00	06/21/10
10F0453-12 [TP-110 (1-2ft)]	B015155	30.2	1.00	06/21/10
10F0453-12RE1 [TP-110 (1-2ft)]	B015155	30.2	1.00	06/21/10
10F0453-13 [TP-111 (2-3ft)]	B015155	30.0	1.00	06/21/10
10F0453-13RE1 [TP-111 (2-3ft)]	B015155	30.0	1.00	06/21/10
10F0453-14 [TP-112 (1-1.5ft)]	B015155	30.0	1.00	06/21/10
10F0453-14RE1 [TP-112 (1-1.5ft)]	B015155	30.0	1.00	06/21/10

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015155 - SW-846 3546
Blank (B015155-BLK1)

Prepared: 06/21/10 Analyzed: 06/22/10

Acenaphthene	ND	0.17	mg/Kg wet
Acenaphthylene	ND	0.17	mg/Kg wet
Acetophenone	ND	0.34	mg/Kg wet
Aniline	ND	0.34	mg/Kg wet
Anthracene	ND	0.17	mg/Kg wet
Benzo(a)anthracene	ND	0.17	mg/Kg wet
Benzo(a)pyrene	ND	0.17	mg/Kg wet
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet
4-Bromophenylphenylether	ND	0.34	mg/Kg wet
Butylbenzylphthalate	ND	0.66	mg/Kg wet
4-Chloroaniline	ND	0.66	mg/Kg wet
2-Chloronaphthalene	ND	0.34	mg/Kg wet
2-Chlorophenol	ND	0.34	mg/Kg wet
Chrysene	ND	0.17	mg/Kg wet
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet
Dibenzofuran	ND	0.34	mg/Kg wet
Di-n-butylphthalate	ND	0.34	mg/Kg wet
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet
2,4-Dichlorophenol	ND	0.34	mg/Kg wet
Diethylphthalate	ND	0.34	mg/Kg wet
2,4-Dimethylphenol	ND	0.34	mg/Kg wet
Dimethylphthalate	ND	0.66	mg/Kg wet
2,4-Dinitrophenol	ND	0.66	mg/Kg wet
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet
Di-n-octylphthalate	ND	0.66	mg/Kg wet
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet
Fluoranthene	ND	0.17	mg/Kg wet
Fluorene	ND	0.17	mg/Kg wet
Hexachlorobenzene	ND	0.34	mg/Kg wet
Hexachlorobutadiene	ND	0.34	mg/Kg wet
Hexachloroethane	ND	0.34	mg/Kg wet
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet
Isophorone	ND	0.34	mg/Kg wet
2-Methylnaphthalene	ND	0.17	mg/Kg wet
2-Methylphenol	ND	0.34	mg/Kg wet
3/4-Methylphenol	ND	0.34	mg/Kg wet
Naphthalene	ND	0.17	mg/Kg wet
Nitrobenzene	ND	0.34	mg/Kg wet
2-Nitrophenol	ND	0.34	mg/Kg wet
4-Nitrophenol	ND	0.66	mg/Kg wet
Pentachlorophenol	ND	0.34	mg/Kg wet
Phenanthrene	ND	0.17	mg/Kg wet

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015155 - SW-846 3546
Blank (B015155-BLK1)

Prepared: 06/21/10 Analyzed: 06/22/10

Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	5.43		mg/Kg wet	6.67		81.5	30-130			
Surrogate: Phenol-d6	5.63		mg/Kg wet	6.67		84.4	30-130			
Surrogate: Nitrobenzene-d5	2.48		mg/Kg wet	3.33		74.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.28		mg/Kg wet	3.33		68.3	30-130			
Surrogate: 2,4,6-Tribromophenol	5.85		mg/Kg wet	6.67		87.8	30-130			
Surrogate: Terphenyl-d14	2.63		mg/Kg wet	3.33		78.8	30-130			

LCS (B015155-BS1)

Prepared: 06/21/10 Analyzed: 06/22/10

Acenaphthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140			
Acenaphthylene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140			
Acetophenone	0.592	0.34	mg/Kg wet	0.833		71.0	40-140			
Aniline	1.14	0.34	mg/Kg wet	1.67		68.2	40-140			
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.4	40-140			
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Benzo(a)pyrene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Benzo(b)fluoranthene	0.998	0.17	mg/Kg wet	1.67		59.9	40-140			
Benzo(g,h,i)perylene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
Benzo(k)fluoranthene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
Bis(2-chloroethoxy)methane	1.31	0.34	mg/Kg wet	1.67		78.9	40-140			
Bis(2-chloroethyl)ether	1.33	0.34	mg/Kg wet	1.67		79.8	40-140			
Bis(2-chloroisopropyl)ether	1.13	0.34	mg/Kg wet	1.67		67.8	40-140			
Bis(2-Ethylhexyl)phthalate	1.67	0.34	mg/Kg wet	1.67		100	40-140			
4-Bromophenylphenylether	1.59	0.34	mg/Kg wet	1.67		95.2	40-140			
Butylbenzylphthalate	1.56	0.66	mg/Kg wet	1.67		93.7	40-140			
4-Chloroaniline	0.467	0.66	mg/Kg wet	1.67		28.0	15-140			L-15 †
2-Chloronaphthalene	1.21	0.34	mg/Kg wet	1.67		72.8	40-140			
2-Chlorophenol	1.34	0.34	mg/Kg wet	1.67		80.1	30-130			
Chrysene	1.09	0.17	mg/Kg wet	1.67		65.1	40-140			
Dibenz(a,h)anthracene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
Dibenzofuran	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
Di-n-butylphthalate	1.37	0.34	mg/Kg wet	1.67		82.5	40-140			
1,2-Dichlorobenzene	1.25	0.34	mg/Kg wet	1.67		74.8	40-140			
1,3-Dichlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.1	40-140			
1,4-Dichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.3	40-140			
3,3-Dichlorobenzidine	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			
2,4-Dichlorophenol	1.37	0.34	mg/Kg wet	1.67		82.4	30-130			
Diethylphthalate	1.14	0.34	mg/Kg wet	1.67		68.7	40-140			
2,4-Dimethylphenol	1.30	0.34	mg/Kg wet	1.67		77.7	30-130			
Dimethylphthalate	1.22	0.66	mg/Kg wet	1.67		73.2	40-140			
2,4-Dinitrophenol	1.40	0.66	mg/Kg wet	1.67		84.0	15-140			†
2,4-Dinitrotoluene	1.28	0.34	mg/Kg wet	1.67		76.6	40-140			
2,6-Dinitrotoluene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
Di-n-octylphthalate	1.62	0.66	mg/Kg wet	1.67		97.3	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.65	0.34	mg/Kg wet	1.67		98.9	40-140			
Fluoranthene	1.00	0.17	mg/Kg wet	1.67		60.1	40-140			
Fluorene	0.961	0.17	mg/Kg wet	1.67		57.6	40-140			
Hexachlorobenzene	1.54	0.34	mg/Kg wet	1.67		92.1	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015155 - SW-846 3546
LCS (B015155-BS1)

Prepared: 06/21/10 Analyzed: 06/22/10

Hexachlorobutadiene	1.35	0.34	mg/Kg wet	1.67		80.7	40-140			
Hexachloroethane	1.29	0.34	mg/Kg wet	1.67		77.6	40-140			
Indeno(1,2,3-cd)pyrene	1.25	0.17	mg/Kg wet	1.67		74.7	40-140			
Isophorone	1.36	0.34	mg/Kg wet	1.67		81.4	40-140			
2-Methylnaphthalene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
2-Methylphenol	1.23	0.34	mg/Kg wet	1.67		74.0	30-130			
3/4-Methylphenol	1.12	0.34	mg/Kg wet	1.67		66.9	30-130			
Naphthalene	0.975	0.17	mg/Kg wet	1.67		58.5	40-140			
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.3	40-140			
2-Nitrophenol	1.42	0.34	mg/Kg wet	1.67		85.0	30-130			
4-Nitrophenol	1.10	0.66	mg/Kg wet	1.67		66.2	15-140			†
Pentachlorophenol	1.16	0.34	mg/Kg wet	1.67		69.5	30-130			
Phenanthrene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Phenol	1.35	0.34	mg/Kg wet	1.67		80.9	15-140			†
Pyrene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140			
1,2,4-Trichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.0	40-140			
2,4,5-Trichlorophenol	1.36	0.34	mg/Kg wet	1.67		81.6	30-130			
2,4,6-Trichlorophenol	1.53	0.34	mg/Kg wet	1.67		91.9	30-130			
Surrogate: 2-Fluorophenol	4.72		mg/Kg wet	6.67		70.8	30-130			
Surrogate: Phenol-d6	4.69		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	2.54		mg/Kg wet	3.33		76.2	30-130			
Surrogate: 2-Fluorobiphenyl	2.58		mg/Kg wet	3.33		77.5	30-130			
Surrogate: 2,4,6-Tribromophenol	5.22		mg/Kg wet	6.67		78.2	30-130			
Surrogate: Terphenyl-d14	2.78		mg/Kg wet	3.33		83.4	30-130			

LCS Dup (B015155-BS1)

Prepared: 06/21/10 Analyzed: 06/22/10

Acenaphthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	2.48	30	
Acenaphthylene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	2.71	30	
Acetophenone	0.597	0.34	mg/Kg wet	0.833		71.6	40-140	0.897	30	
Aniline	1.16	0.34	mg/Kg wet	1.67		69.4	40-140	1.75	30	
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	1.75	30	
Benzo(a)anthracene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140	2.00	30	
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140	2.21	30	
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140	1.85	30	
Benzo(g,h,i)perylene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	0.549	30	
Benzo(k)fluoranthene	1.07	0.17	mg/Kg wet	1.67		64.1	40-140	2.62	30	
Bis(2-chloroethoxy)methane	1.33	0.34	mg/Kg wet	1.67		79.7	40-140	1.01	30	
Bis(2-chloroethyl)ether	1.33	0.34	mg/Kg wet	1.67		79.6	40-140	0.251	30	
Bis(2-chloroisopropyl)ether	1.15	0.34	mg/Kg wet	1.67		69.0	40-140	1.70	30	
Bis(2-Ethylhexyl)phthalate	1.68	0.34	mg/Kg wet	1.67		101	40-140	0.577	30	
4-Bromophenylphenylether	1.55	0.34	mg/Kg wet	1.67		92.9	40-140	2.51	30	
Butylbenzylphthalate	1.60	0.66	mg/Kg wet	1.67		96.1	40-140	2.53	30	
4-Chloroaniline	0.587	0.66	mg/Kg wet	1.67		35.2	15-140	22.8	30	L-15 †
2-Chloronaphthalene	1.18	0.34	mg/Kg wet	1.67		70.5	40-140	3.21	30	
2-Chlorophenol	1.31	0.34	mg/Kg wet	1.67		78.5	30-130	1.97	30	
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	2.04	30	
Dibenz(a,h)anthracene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	2.27	30	
Dibenzofuran	1.36	0.34	mg/Kg wet	1.67		81.5	40-140	6.04	30	
Di-n-butylphthalate	1.42	0.34	mg/Kg wet	1.67		85.4	40-140	3.46	30	
1,2-Dichlorobenzene	1.28	0.34	mg/Kg wet	1.67		76.7	40-140	2.56	30	
1,3-Dichlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.4	40-140	3.13	30	
1,4-Dichlorobenzene	1.24	0.34	mg/Kg wet	1.67		74.1	40-140	3.82	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015155 - SW-846 3546										
LCS Dup (B015155-BSD1)					Prepared: 06/21/10 Analyzed: 06/22/10					
3,3-Dichlorobenzidine	1.12	0.17	mg/Kg wet	1.67		67.3	40-140	2.22	30	
2,4-Dichlorophenol	1.42	0.34	mg/Kg wet	1.67		85.0	30-130	3.13	30	
Diethylphthalate	1.31	0.34	mg/Kg wet	1.67		78.7	40-140	13.6	30	
2,4-Dimethylphenol	1.27	0.34	mg/Kg wet	1.67		76.1	30-130	2.03	30	
Dimethylphthalate	1.32	0.66	mg/Kg wet	1.67		79.4	40-140	8.13	30	
2,4-Dinitrophenol	1.60	0.66	mg/Kg wet	1.67		95.8	15-140	13.1	30	†
2,4-Dinitrotoluene	1.50	0.34	mg/Kg wet	1.67		89.7	40-140	15.8	30	
2,6-Dinitrotoluene	1.55	0.34	mg/Kg wet	1.67		93.2	40-140	11.0	30	
Di-n-octylphthalate	1.60	0.66	mg/Kg wet	1.67		95.8	40-140	1.49	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.57	0.34	mg/Kg wet	1.67		94.4	40-140	4.70	30	
Fluoranthene	0.966	0.17	mg/Kg wet	1.67		58.0	40-140	3.63	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.4	40-140	9.58	30	
Hexachlorobenzene	1.53	0.34	mg/Kg wet	1.67		91.6	40-140	0.566	30	
Hexachlorobutadiene	1.36	0.34	mg/Kg wet	1.67		81.6	40-140	1.06	30	
Hexachloroethane	1.32	0.34	mg/Kg wet	1.67		79.3	40-140	2.19	30	
Indeno(1,2,3-cd)pyrene	1.24	0.17	mg/Kg wet	1.67		74.6	40-140	0.214	30	
Isophorone	1.40	0.34	mg/Kg wet	1.67		84.0	40-140	3.12	30	
2-Methylnaphthalene	1.27	0.17	mg/Kg wet	1.67		76.1	40-140	6.15	30	
2-Methylphenol	1.22	0.34	mg/Kg wet	1.67		73.2	30-130	1.03	30	
3/4-Methylphenol	1.12	0.34	mg/Kg wet	1.67		67.3	30-130	0.596	30	
Naphthalene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	3.89	30	
Nitrobenzene	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	1.92	30	
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.3	30-130	1.49	30	
4-Nitrophenol	1.24	0.66	mg/Kg wet	1.67		74.6	15-140	11.9	30	†
Pentachlorophenol	1.16	0.34	mg/Kg wet	1.67		69.6	30-130	0.259	30	
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	2.05	30	
Phenol	1.36	0.34	mg/Kg wet	1.67		81.7	15-140	0.984	30	†
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.9	40-140	10.9	30	
1,2,4-Trichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.5	40-140	1.91	30	
2,4,5-Trichlorophenol	1.40	0.34	mg/Kg wet	1.67		84.2	30-130	3.06	30	
2,4,6-Trichlorophenol	1.51	0.34	mg/Kg wet	1.67		90.4	30-130	1.69	30	
Surrogate: 2-Fluorophenol	4.73		mg/Kg wet	6.67		71.0	30-130			
Surrogate: Phenol-d6	4.58		mg/Kg wet	6.67		68.7	30-130			
Surrogate: Nitrobenzene-d5	2.53		mg/Kg wet	3.33		75.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.41		mg/Kg wet	3.33		72.2	30-130			
Surrogate: 2,4,6-Tribromophenol	5.96		mg/Kg wet	6.67		89.3	30-130			
Surrogate: Terphenyl-d14	2.96		mg/Kg wet	3.33		88.9	30-130			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015142 - SW-846 3546
Blank (B015142-BLK1)

Prepared: 06/19/10 Analyzed: 06/21/10

C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Acenaphthene	ND	0.10	mg/Kg wet							
Acenaphthylene	ND	0.10	mg/Kg wet							
Anthracene	ND	0.10	mg/Kg wet							
Benzo(a)anthracene	ND	0.10	mg/Kg wet							
Benzo(a)pyrene	ND	0.10	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet							
Chrysene	ND	0.10	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet							
Fluoranthene	ND	0.10	mg/Kg wet							
Fluorene	ND	0.10	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet							
2-Methylnaphthalene	ND	0.10	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
Phenanthrene	ND	0.10	mg/Kg wet							
Pyrene	ND	0.10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	3.64		mg/Kg wet	5.00		72.7	40-140			
Surrogate: o-Terphenyl (OTP)	4.46		mg/Kg wet	5.00		89.2	40-140			
Surrogate: 2-Bromonaphthalene	5.52		mg/Kg wet	5.00		110	40-140			
Surrogate: 2-Fluorobiphenyl	5.38		mg/Kg wet	5.00		108	40-140			

LCS (B015142-BS1)

Prepared: 06/19/10 Analyzed: 06/21/10

Acenaphthene	4.44	0.10	mg/Kg wet	5.00		88.7	40-140			
Acenaphthylene	4.50	0.10	mg/Kg wet	5.00		89.9	40-140			
Anthracene	4.65	0.10	mg/Kg wet	5.00		93.0	40-140			
Benzo(a)anthracene	4.92	0.10	mg/Kg wet	5.00		98.4	40-140			
Benzo(a)pyrene	4.67	0.10	mg/Kg wet	5.00		93.4	40-140			
Benzo(b)fluoranthene	4.93	0.10	mg/Kg wet	5.00		98.7	40-140			
Benzo(g,h,i)perylene	4.79	0.10	mg/Kg wet	5.00		95.8	40-140			
Benzo(k)fluoranthene	4.80	0.10	mg/Kg wet	5.00		95.9	40-140			
Chrysene	4.60	0.10	mg/Kg wet	5.00		92.0	40-140			
Dibenz(a,h)anthracene	4.75	0.10	mg/Kg wet	5.00		94.9	40-140			
Fluoranthene	4.66	0.10	mg/Kg wet	5.00		93.2	40-140			
Fluorene	4.56	0.10	mg/Kg wet	5.00		91.2	40-140			
Indeno(1,2,3-cd)pyrene	4.78	0.10	mg/Kg wet	5.00		95.7	40-140			
2-Methylnaphthalene	4.40	0.10	mg/Kg wet	5.00		88.0	40-140			
Naphthalene	4.17	0.10	mg/Kg wet	5.00		83.4	40-140			
Phenanthrene	4.63	0.10	mg/Kg wet	5.00		92.6	40-140			
Pyrene	4.82	0.10	mg/Kg wet	5.00		96.4	40-140			
n-Decane	3.51	0.10	mg/Kg wet	5.00		70.2	40-140			
n-Docosane	4.72	0.10	mg/Kg wet	5.00		94.4	40-140			
n-Dodecane	3.82	0.10	mg/Kg wet	5.00		76.4	40-140			
n-Eicosane	4.64	0.10	mg/Kg wet	5.00		92.8	40-140			
n-Hexacosane	4.67	0.10	mg/Kg wet	5.00		93.5	40-140			
n-Hexatriacontane	4.63	0.10	mg/Kg wet	5.00		92.5	40-140			
n-Nonadecane	4.69	0.10	mg/Kg wet	5.00		93.9	40-140			
n-Nonane	2.63	0.10	mg/Kg wet	5.00		52.6	30-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015142 - SW-846 3546
LCS (B015142-BS1)

Prepared: 06/19/10 Analyzed: 06/21/10

n-Octacosane	4.54	0.10	mg/Kg wet	5.00		90.8	40-140			
n-Octadecane	4.60	0.10	mg/Kg wet	5.00		92.1	40-140			
n-Tetracosane	4.63	0.10	mg/Kg wet	5.00		92.7	40-140			
n-Triacontane	4.49	0.10	mg/Kg wet	5.00		89.8	40-140			
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	3.81		mg/Kg wet	5.00		76.2	40-140			
Surrogate: o-Terphenyl (OTP)	4.64		mg/Kg wet	5.00		92.8	40-140			
Surrogate: 2-Bromonaphthalene	5.31		mg/Kg wet	5.00		106	40-140			
Surrogate: 2-Fluorobiphenyl	5.14		mg/Kg wet	5.00		103	40-140			

LCS Dup (B015142-BSD1)

Prepared: 06/19/10 Analyzed: 06/21/10

Acenaphthene	4.36	0.10	mg/Kg wet	5.00		87.1	40-140	1.82	25	
Acenaphthylene	4.44	0.10	mg/Kg wet	5.00		88.7	40-140	1.39	25	
Anthracene	4.54	0.10	mg/Kg wet	5.00		90.8	40-140	2.45	25	
Benzo(a)anthracene	4.76	0.10	mg/Kg wet	5.00		95.3	40-140	3.26	25	
Benzo(a)pyrene	4.50	0.10	mg/Kg wet	5.00		90.0	40-140	3.73	25	
Benzo(b)fluoranthene	4.75	0.10	mg/Kg wet	5.00		95.0	40-140	3.78	25	
Benzo(g,h,i)perylene	4.61	0.10	mg/Kg wet	5.00		92.1	40-140	3.96	25	
Benzo(k)fluoranthene	4.63	0.10	mg/Kg wet	5.00		92.6	40-140	3.60	25	
Chrysene	4.46	0.10	mg/Kg wet	5.00		89.3	40-140	2.98	25	
Dibenz(a,h)anthracene	4.57	0.10	mg/Kg wet	5.00		91.5	40-140	3.72	25	
Fluoranthene	4.52	0.10	mg/Kg wet	5.00		90.5	40-140	2.96	25	
Fluorene	4.47	0.10	mg/Kg wet	5.00		89.3	40-140	2.07	25	
Indeno(1,2,3-cd)pyrene	4.59	0.10	mg/Kg wet	5.00		91.8	40-140	4.19	25	
2-Methylnaphthalene	4.36	0.10	mg/Kg wet	5.00		87.1	40-140	1.03	25	
Naphthalene	4.16	0.10	mg/Kg wet	5.00		83.1	40-140	0.276	25	
Phenanthrene	4.51	0.10	mg/Kg wet	5.00		90.1	40-140	2.72	25	
Pyrene	4.68	0.10	mg/Kg wet	5.00		93.5	40-140	3.05	25	
n-Decane	3.30	0.10	mg/Kg wet	5.00		66.0	40-140	6.14	25	
n-Docosane	4.66	0.10	mg/Kg wet	5.00		93.3	40-140	1.17	25	
n-Dodecane	3.64	0.10	mg/Kg wet	5.00		72.7	40-140	4.92	25	
n-Eicosane	4.57	0.10	mg/Kg wet	5.00		91.5	40-140	1.50	25	
n-Hexacosane	4.63	0.10	mg/Kg wet	5.00		92.7	40-140	0.866	25	
n-Hexatriacontane	4.61	0.10	mg/Kg wet	5.00		92.2	40-140	0.414	25	
n-Nonadecane	4.60	0.10	mg/Kg wet	5.00		92.1	40-140	1.93	25	
n-Nonane	2.42	0.10	mg/Kg wet	5.00		48.4	30-140	8.23	25	
n-Octacosane	4.50	0.10	mg/Kg wet	5.00		90.0	40-140	0.945	25	
n-Octadecane	4.49	0.10	mg/Kg wet	5.00		89.8	40-140	2.45	25	
n-Tetracosane	4.59	0.10	mg/Kg wet	5.00		91.8	40-140	0.974	25	
n-Triacontane	4.45	0.10	mg/Kg wet	5.00		89.0	40-140	0.873	25	
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	4.02		mg/Kg wet	5.00		80.4	40-140			
Surrogate: o-Terphenyl (OTP)	4.55		mg/Kg wet	5.00		91.0	40-140			
Surrogate: 2-Bromonaphthalene	5.26		mg/Kg wet	5.00		105	40-140			
Surrogate: 2-Fluorobiphenyl	5.18		mg/Kg wet	5.00		104	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015142 - SW-846 3546

Matrix Spike (B015142-MS1)		Source: 10F0453-02			Prepared: 06/19/10		Analyzed: 06/21/10			
C9-C18 Aliphatics	40.2	15	mg/Kg dry	45.8	8.52	69.1	40-140			
C19-C36 Aliphatics	117	15	mg/Kg dry	61.0	29.9	142 *	40-140			MS-20
Unadjusted C11-C22 Aromatics	312	15	mg/Kg dry	130	186	97.1	40-140			
Acenaphthene	5.30	0.15	mg/Kg dry	7.63	0.00	69.5	40-140			
Acenaphthylene	5.33	0.15	mg/Kg dry	7.63	0.00	69.9	40-140			
Anthracene	5.49	0.15	mg/Kg dry	7.63	0.00	71.9	40-140			
Benzo(a)anthracene	5.64	0.15	mg/Kg dry	7.63	0.00	74.0	40-140			
Benzo(a)pyrene	5.12	0.15	mg/Kg dry	7.63	0.00	67.1	40-140			
Benzo(b)fluoranthene	5.72	0.15	mg/Kg dry	7.63	0.00	75.0	40-140			
Benzo(g,h,i)perylene	5.11	0.15	mg/Kg dry	7.63	0.00	67.0	40-140			
Benzo(k)fluoranthene	5.20	0.15	mg/Kg dry	7.63	0.00	68.2	40-140			
Chrysene	5.33	0.15	mg/Kg dry	7.63	0.00	69.8	40-140			
Dibenz(a,h)anthracene	4.80	0.15	mg/Kg dry	7.63	0.00	63.0	40-140			
Fluoranthene	5.64	0.15	mg/Kg dry	7.63	0.185	71.5	40-140			
Fluorene	5.47	0.15	mg/Kg dry	7.63	0.00	71.7	40-140			
Indeno(1,2,3-cd)pyrene	5.06	0.15	mg/Kg dry	7.63	0.00	66.3	40-140			
2-Methylnaphthalene	5.13	0.15	mg/Kg dry	7.63	0.00	67.2	40-140			
Naphthalene	4.78	0.15	mg/Kg dry	7.63	0.00	62.7	40-140			
Phenanthrene	5.70	0.15	mg/Kg dry	7.63	0.165	72.5	40-140			
Pyrene	5.81	0.15	mg/Kg dry	7.63	0.188	73.7	40-140			
n-Nonane	2.81	0.15	mg/Kg dry	7.63	0.00	36.8	30-140			
Surrogate: Chlorooctadecane (COD)	4.81		mg/Kg dry	7.63		63.0	40-140			
Surrogate: o-Terphenyl (OTP)	5.60		mg/Kg dry	7.63		73.4	40-140			
Surrogate: 2-Bromonaphthalene	7.74		mg/Kg dry	7.63		101	40-140			
Surrogate: 2-Fluorobiphenyl	7.56		mg/Kg dry	7.63		99.0	40-140			

Matrix Spike Dup (B015142-MSD1)		Source: 10F0453-02			Prepared: 06/19/10		Analyzed: 06/21/10			
C9-C18 Aliphatics	39.9	15	mg/Kg dry	45.8	8.52	68.5	40-140	0.700	50	
C19-C36 Aliphatics	82.5	15	mg/Kg dry	61.0	29.9	86.2	40-140	34.2	50	
Unadjusted C11-C22 Aromatics	281	15	mg/Kg dry	130	186	73.5	40-140	10.4	50	
Acenaphthene	5.65	0.15	mg/Kg dry	7.63	0.00	74.1	40-140	6.38	50	
Acenaphthylene	5.82	0.15	mg/Kg dry	7.63	0.00	76.2	40-140	8.69	50	
Anthracene	6.14	0.15	mg/Kg dry	7.63	0.00	80.5	40-140	11.3	50	
Benzo(a)anthracene	6.49	0.15	mg/Kg dry	7.63	0.00	85.0	40-140	13.9	50	
Benzo(a)pyrene	6.07	0.15	mg/Kg dry	7.63	0.00	79.6	40-140	17.0	50	
Benzo(b)fluoranthene	6.46	0.15	mg/Kg dry	7.63	0.00	84.7	40-140	12.1	50	
Benzo(g,h,i)perylene	6.26	0.15	mg/Kg dry	7.63	0.00	82.0	40-140	20.2	50	
Benzo(k)fluoranthene	6.15	0.15	mg/Kg dry	7.63	0.00	80.6	40-140	16.8	50	
Chrysene	6.14	0.15	mg/Kg dry	7.63	0.00	80.4	40-140	14.1	50	
Dibenz(a,h)anthracene	6.04	0.15	mg/Kg dry	7.63	0.00	79.1	40-140	22.7	50	
Fluoranthene	6.26	0.15	mg/Kg dry	7.63	0.185	79.6	40-140	10.4	50	
Fluorene	5.97	0.15	mg/Kg dry	7.63	0.00	78.2	40-140	8.67	50	
Indeno(1,2,3-cd)pyrene	6.12	0.15	mg/Kg dry	7.63	0.00	80.2	40-140	19.0	50	
2-Methylnaphthalene	5.52	0.15	mg/Kg dry	7.63	0.00	72.3	40-140	7.27	50	
Naphthalene	5.21	0.15	mg/Kg dry	7.63	0.00	68.2	40-140	8.48	50	
Phenanthrene	6.20	0.15	mg/Kg dry	7.63	0.165	79.1	40-140	8.51	50	
Pyrene	6.49	0.15	mg/Kg dry	7.63	0.188	82.6	40-140	11.1	50	
n-Nonane	3.19	0.15	mg/Kg dry	7.63	0.00	41.8	30-140	12.8	50	
Surrogate: Chlorooctadecane (COD)	5.30		mg/Kg dry	7.63		69.5	40-140			
Surrogate: o-Terphenyl (OTP)	6.19		mg/Kg dry	7.63		81.1	40-140			
Surrogate: 2-Bromonaphthalene	7.96		mg/Kg dry	7.63		104	40-140			
Surrogate: 2-Fluorobiphenyl	7.82		mg/Kg dry	7.63		103	40-140			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015088 - SW-846 7471A										
Blank (B015088-BLK1)				Prepared & Analyzed: 06/18/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B015088-BS1)				Prepared & Analyzed: 06/18/10						
Mercury	0.796	0.025	mg/Kg wet	0.852		93.4	66-132			
LCS Dup (B015088-BSD1)				Prepared & Analyzed: 06/18/10						
Mercury	0.890	0.025	mg/Kg wet	0.912		97.6	66-132	11.1	30	
Batch B015122 - SW-846 7471A										
Blank (B015122-BLK1)				Prepared: 06/18/10 Analyzed: 06/21/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B015122-BS1)				Prepared: 06/18/10 Analyzed: 06/21/10						
Mercury	0.870	0.025	mg/Kg wet	0.882		98.6	66-132			
LCS Dup (B015122-BSD1)				Prepared: 06/18/10 Analyzed: 06/21/10						
Mercury	0.891	0.025	mg/Kg wet	0.888		100	66-132	2.41	30	
Duplicate (B015122-DUP1)				Source: 10F0453-12		Prepared: 06/18/10 Analyzed: 06/21/10				
Mercury	0.224	0.021	mg/Kg dry		0.283			23.2	35	
Matrix Spike (B015122-MS1)				Source: 10F0453-12		Prepared: 06/18/10 Analyzed: 06/21/10				
Mercury	0.629	0.021	mg/Kg dry	0.417	0.283	83.0	75-125			
Matrix Spike Dup (B015122-MSD1)				Source: 10F0453-12		Prepared: 06/18/10 Analyzed: 06/21/10				
Mercury	0.685	0.022	mg/Kg dry	0.439	0.283	91.6	75-125	8.60	35	
Batch B015147 - SW-846 3050B										
Blank (B015147-BLK1)				Prepared & Analyzed: 06/21/10						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015147 - SW-846 3050B
LCS (B015147-BS1)

Prepared & Analyzed: 06/21/10

Antimony	107	5.0	mg/Kg wet	103		104	30-203.7			
Arsenic	106	5.0	mg/Kg wet	107		99.1	81.6-118.4			
Barium	333	5.0	mg/Kg wet	331		101	80.7-119.3			
Beryllium	74.7	0.50	mg/Kg wet	74.0		101	81.6-118.9			
Cadmium	241	0.50	mg/Kg wet	244		98.9	82.4-117.6			
Chromium	81.1	1.0	mg/Kg wet	80.5		101	78.8-120.7			
Lead	105	1.5	mg/Kg wet	107		97.9	79.1-120.3			
Nickel	96.2	1.0	mg/Kg wet	96.7		99.5	81.2-119.2			
Selenium	180	10	mg/Kg wet	177		102	78.4-120.9			
Silver	41.6	1.0	mg/Kg wet	46.2		90.0	66.2-133.6			
Thallium	280	5.0	mg/Kg wet	272		103	77.6-122.4			
Vanadium	122	2.0	mg/Kg wet	115		106	79.4-120.1			
Zinc	365	2.0	mg/Kg wet	378		96.6	80.5-119.3			

LCS (B015147-BS2)

Prepared: 06/21/10 Analyzed: 06/22/10

Lead	0.805	0.75	mg/Kg wet	0.747		108	79.1-120.3			
------	-------	------	-----------	-------	--	-----	------------	--	--	--

LCS Dup (B015147-BSD1)

Prepared & Analyzed: 06/21/10

Antimony	107	5.0	mg/Kg wet	103		104	30-203.7	0.690	30	
Arsenic	105	5.0	mg/Kg wet	107		98.6	81.6-118.4	0.425	30	
Barium	339	5.0	mg/Kg wet	331		102	80.7-119.3	1.84	30	
Beryllium	75.0	0.50	mg/Kg wet	74.1		101	81.6-118.9	0.433	30	
Cadmium	245	0.50	mg/Kg wet	244		101	82.4-117.6	1.69	30	
Chromium	82.4	1.0	mg/Kg wet	80.6		102	78.8-120.7	1.63	30	
Lead	105	1.5	mg/Kg wet	107		98.3	79.1-120.3	0.385	30	
Nickel	94.8	1.0	mg/Kg wet	96.7		98.0	81.2-119.2	1.49	30	
Selenium	179	10	mg/Kg wet	177		101	78.4-120.9	0.870	30	
Silver	42.1	1.0	mg/Kg wet	46.2		91.1	66.2-133.6	1.19	30	
Thallium	273	5.0	mg/Kg wet	272		101	77.6-122.4	2.35	30	
Vanadium	123	2.0	mg/Kg wet	115		107	79.4-120.1	1.30	30	
Zinc	371	2.0	mg/Kg wet	378		98.2	80.5-119.3	1.67	30	

Duplicate (B015147-DUP1)

Source: 10F0453-12

Prepared & Analyzed: 06/21/10

Antimony	4.53	2.9	mg/Kg dry		ND		NC	35		
Arsenic	14.8	2.9	mg/Kg dry		18.0		19.5	35		
Barium	529	2.9	mg/Kg dry		685		25.6	35		
Beryllium	ND	0.29	mg/Kg dry		ND		NC	35		
Cadmium	3.64	0.29	mg/Kg dry		5.16		34.7	35		
Chromium	87.0	0.58	mg/Kg dry		125		35.6 *	35		R-02
Lead	186	0.87	mg/Kg dry		238		24.6	35		
Nickel	15.0	0.58	mg/Kg dry		15.4		2.91	35		
Selenium	ND	5.8	mg/Kg dry		ND		NC	35		
Silver	1.33	0.58	mg/Kg dry		2.31		54.2 *	35		R-04
Thallium	ND	2.9	mg/Kg dry		ND		NC	35		
Vanadium	22.6	1.2	mg/Kg dry		22.6		0.103	35		
Zinc	222	1.2	mg/Kg dry		269		19.2	35		

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B015147 - SW-846 3050B

Duplicate (B015147-DUP3)	Source: 10F0453-12		Prepared & Analyzed: 06/21/10							M-07
Barium	535	15	mg/Kg dry		685			24.6	35	
Chromium	93.6	2.9	mg/Kg dry		125			28.4	35	
Lead	169	4.4	mg/Kg dry		238			34.3	35	
Zinc	211	5.8	mg/Kg dry		269			24.1	35	

Matrix Spike (B015147-MS1)	Source: 10F0453-12		Prepared & Analyzed: 06/21/10							
Antimony	18.3	2.9	mg/Kg dry	28.7	ND	63.7	*	75-125		MS-07A
Arsenic	43.9	2.9	mg/Kg dry	28.7	18.0	90.3		75-125		
Barium	658	2.9	mg/Kg dry	28.7	685	-92.6	*	75-125		MS-19
Beryllium	30.0	0.29	mg/Kg dry	28.7	0.144	104		75-125		
Cadmium	33.8	0.29	mg/Kg dry	28.7	5.16	99.8		75-125		
Chromium	134	0.57	mg/Kg dry	28.7	125	32.5	*	75-125		MS-19
Lead	256	0.86	mg/Kg dry	28.7	238	62.5	*	75-125		MS-19
Nickel	41.2	0.57	mg/Kg dry	28.7	15.4	90.1		75-125		
Selenium	29.6	5.7	mg/Kg dry	28.7	2.36	95.2		75-125		
Silver	28.9	0.57	mg/Kg dry	28.7	2.31	92.7		75-125		
Thallium	26.4	2.9	mg/Kg dry	28.7	ND	92.1		75-125		
Vanadium	49.7	1.1	mg/Kg dry	28.7	22.6	94.5		75-125		
Zinc	274	1.1	mg/Kg dry	28.7	269	16.7	*	75-125		MS-19

Matrix Spike Dup (B015147-MSD1)	Source: 10F0453-12			Prepared & Analyzed: 06/21/10							
Antimony	18.9	2.9	mg/Kg dry	29.2	ND	64.9	*	75-125	3.65	35	MS-07A
Arsenic	44.4	2.9	mg/Kg dry	29.2	18.0	90.4		75-125	1.15	35	
Barium	622	2.9	mg/Kg dry	29.2	685	-217	*	75-125	5.73	35	MS-19
Beryllium	29.8	0.29	mg/Kg dry	29.2	0.144	102		75-125	0.363	35	
Cadmium	33.9	0.29	mg/Kg dry	29.2	5.16	98.6		75-125	0.529	35	
Chromium	154	0.58	mg/Kg dry	29.2	125	101		75-125	14.0	35	
Lead	207	0.88	mg/Kg dry	29.2	238	-108	*	75-125	21.3	35	MS-19
Nickel	43.5	0.58	mg/Kg dry	29.2	15.4	96.2		75-125	5.38	35	
Selenium	30.2	5.8	mg/Kg dry	29.2	2.36	95.4		75-125	1.95	35	
Silver	30.9	0.58	mg/Kg dry	29.2	2.31	97.8		75-125	6.62	35	
Thallium	26.6	2.9	mg/Kg dry	29.2	ND	91.1		75-125	0.843	35	
Vanadium	50.9	1.2	mg/Kg dry	29.2	22.6	97.1		75-125	2.54	35	
Zinc	326	1.2	mg/Kg dry	29.2	269	195	*	75-125	17.4	35	MS-19

QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B015053 - % Solids

Duplicate (B015053-DUP2)

Source: 10F0453-01

Prepared & Analyzed: 06/18/10

% Solids	66.1		% Wt		62.4			5.76	20	
----------	------	--	------	--	------	--	--	------	----	--

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-15	Compound classified by MA CAM as difficult with acceptable recoveries of 15-140%. Recovery does not meet criteria of 40-140% for Base/Neutral or 30-130% for Acids but does meet difficult compound criteria.
M-07	Result is serial dilution as per MA CAM regulation.
MS-07A	Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-20	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly. Analysis is in control based on laboratory fortified blank recovery.
Q-01	Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.
R-02	Duplicate RPD is outside of control limits. Outlier can be attributed to sample non-homogeneity encountered during sample prep.
R-04	Duplicate relative percent difference (RPD) is a less useful indicator of sample precision for sample results that are <5 times the reporting limit (RL).
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Soil	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
SW-846 6010B in Soil	
Antimony	CT,NH,NY
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Beryllium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Nickel	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
Thallium	CT,NH,NY
Vanadium	CT,NH,NY
Zinc	CT,NH,NY
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Soil</i>	
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Soil</i>	
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

10F0453

Company Name: TRC

Telephone: 978 970-5606

Address: 650 Suffolk St.

Project # 170023

Lowell Ma. 01854

Client PO# 24589

Attention: Lyann Niles

DATA DELIVERY (check all that apply)
☐ FAX ☒ EMAIL ☐ WEBSITE

Project Location: 29 Elm St. Salsburg Ma.

Fax #

Sampled By: H. Lanza + E. Wechete

Email: LNiles@TRCMA.com

Project Proposal Provided? (for billing purposes)

☐ Yes ☐ No

Format:

☐ PDF ☐ EXCEL ☐ OGIS
☐ OTHER

Collection

☐ "Enhanced Data Package"

Con-Test Lab ID (Laboratory Use Only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix	Lab Code
01	TP-117 (3-4')	6/6/10	850	X	X	S	
02	TP-117 (5-6')		900	X	X	S	
03	TP-118 (3-4')		915	X	X	S	
04	TP-119 (4-5')		0930	X	X	S	
05	TP-120 (1-3')		1006	X	X	S	
06	TP-121 (1-3')		1030	X	X	S	
07	TP-116 (1-2')		1115	X	X	S	
08	TP-115 (1-4')		1125	X	X	S	
09	DUG-5			X	X	S	
10	TP-114 (2-3')	6/6/10	1150	X	X	S	

Comments:

See EPA Approved QAPP

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

Relinquished by (Signature)

Date/Time: 6/6/10 1545

Turnaround ☒ 7-Day
☐ 10-Day
☐ Other

Detection Limit Requirements
Massachusetts: MCP 5-1500-2
Connecticut: 5-1/500-3

Is your project MCP or RCP?

☐ MCP Analytical Certification Form Required
☐ RCP Analysis Certification Form Required
☐ MA State DW Form Required PWSID #

Received by (Signature)

Date/Time: 6-16-10 7pm

☐ 12-Hr ☐ 148-Hr
☐ 172-Hr ☐ 14-Day

Other:



NELAP & AIHA Certified
WB/DBE Certified



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 2

Company Name: TRC

Address: 650 Suffolk St.

City: Lowell Ma. 01854

Attention: Ryan Miles

Project Location: 29 Elm St. Salisbury Ma.

Sampled By: H. Ezzar & E. Wachtel

Proposal Provided? (For Billing purposes) ☐ yes ☐ no

State Form Required? ☐ yes ☐ no

Telephone: (978) 970-5600

Project # 170023

Client PO # 24589

DATA DELIVERY (check one):

☒ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: ENR@TRCProductions.com

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

☐ OTHER

Date Sampled

Start Date/Time Stop Date/Time

Comp. Grab

Matrix | Conc. Code | Code

Field ID Sample Description Lab #

TP-113 (1-3')

TP-110 (1-2')

TP-111 (2-3')

TP-112 (1-1.5')

1300

1230

1245

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

1300

Anal. Code	Anal. Name	Anal. Unit	Anal. Result	Anal. Comment
10	VOCs			
11	HPH - Carbon Ranges			
12	SVOCS			
13	EPH - Carbon Ranges			
14	metals + Hg			
15	Pesticides			
16	PCBs			

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. Grab	Matrix Conc. Code Code	Anal. Code	Anal. Name	Anal. Unit	Anal. Result	Anal. Comment
TP-113	(1-3')	-11	6/16/10	1215	X	S	10	VOCs			
TP-110	(1-2')	-12		1230	X	S	11	HPH - Carbon Ranges			
TP-111	(2-3')	-13		1245	X	S	12	SVOCS			
TP-112	(1-1.5')	-14		1300	X	S	13	EPH - Carbon Ranges			
					X	S	14	metals + Hg			
					X	S	15	Pesticides			
					X	S	16	PCBs			

See EPA Approved OAR

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Detection Limit Requirements

Regulations? MCP 5-1/GW-2

S-1/GW-3

Data Enhancement Project/RCP? ☐ Y ☐ N

Special Requirements or DL's:

☐ 24-Hr ☐ 48-Hr ☐ 72-Hr ☐ 4-Day

☐ Require lab approval

Preservation Codes:

I = Iced X = Na hydroxide

H = HCL T = Na thiosulfate

M = Methanol

N = Nitric Acid

S = Sulfuric Acid

B = Sodium bisulfate

Client

Comments



Sample Receipt Checklist

 CLIENT NAME: TRC MA RECEIVED BY: KA DATE: 6/16/10

 1) Was the chain(s) of custody relinquished and signed? Yes No

 2) Does the chain agree with the samples? Yes No

If not, explain:

 3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

 On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

 Were the samples received in Temperature Compliance of (2-6°C)? Yes No

 Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.3°C

 5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

 6) Are there any samples "On Hold"? Yes No

 Stored where:

 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

 8) Location where samples are stored: 19

 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved

Client Signature:

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)	<u>30</u>	2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

 40 mL vials: # HCl _____ # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/A

Do all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10F0453

Project Location: 29 Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

10F0453-01 thru 10F0453-14

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A ()	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B ()	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	8082 PCB CAM V A ()	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☐ Yes ☒ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☒ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Manager

Printed Name: Daren J. Damboragian

Date: 08/03/10

Gilson Aspec XL4 Fractionation Check

Silica Gel Lot: **S212-52**
Frac Check Lot: 061010 PJG
Hexane Lot: 50062
DCM Lot: DB711
Acetone Lot: 50102

Vendor: **PHENOMENEX**
Amount of DCM Collected: 5000 µL
Amount of Hexane Collected: 1800 µL

Data File: 060910 D0609207/D0609208

<u>Compound</u>	<u>Conc. (ppm)</u>	<u>Recovery</u>	<u>% Recovery</u>	<u>Limits</u>
Naphthalene	50.0	41.258	83%	40-140
2-Methylnaphthalene	50.0	44.526	89%	40-140
Acenaphthalene	50.0	45.783	92%	40-140
Acenaphthene	50.0	45.324	91%	40-140
Fluorene	50.0	46.054	92%	40-140
Phenanthrene	50.0	47.931	96%	40-140
Anthracene	50.0	47.844	96%	40-140
o-Terphenyl (surr.)	50.0	48.999	98%	40-140
Fluoranthene	50.0	47.625	95%	40-140
Pyrene	50.0	49.521	99%	40-140
Benzo(a)anthracene	50.0	51.208	102%	40-140
Chrysene	50.0	48.771	98%	40-140
Benzo(b)fluoranthene	50.0	51.125	102%	40-140
Benzo(k)fluoranthene	50.0	50.334	101%	40-140
Benzo(a)pyrene	50.0	48.526	97%	40-140
Indeno(123cd)pyrene	50.0	49.993	100%	40-140
Dibenzo(ah)anthracene	50.0	50.698	101%	40-140
Benzo(ghi)perylene	50.0	50.240	100%	40-140
C9	50.0	31.834	64%	30-140
C10	50.0	35.293	71%	40-140
C12	50.0	36.922	74%	40-140
C14	50.0	43.209	86%	40-140
C16	50.0	46.285	93%	40-140
C18	50.0	48.385	97%	40-140
C19	50.0	50.239	100%	40-140
C20	50.0	51.168	102%	40-140
1-Chlorooctadecane (surr.)	50.0	40.842	82%	40-140
C22	50.0	51.817	104%	40-140
C24	50.0	51.828	104%	40-140
C26	50.0	53.734	107%	40-140
C28	50.0	52.315	105%	40-140
C30	50.0	51.799	104%	40-140
C36	50.0	52.757	106%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50.0	50.341	101%	40-140
2-Bromonaphthalene	50.0	43.672	87%	40-140
Aliphatic bleed thru	% (<5%)			
Naphthalene	0.0	0.000		
2-Methylnaphthalene	0.0	0.000		

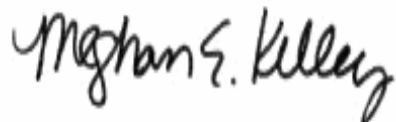
December 23, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 29 Elm St., Salisbury, MA
Client Job Number:
Project Number: 170023
Laboratory Work Order Number: 10L0242

Enclosed are results of analyses for samples received by the laboratory on December 8, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Meghan E. Kelley". The signature is written in a cursive, flowing style.

Meghan E. Kelley
Project Manager

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 12/23/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10L0242

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP 201 South (3-3.5ft)	10L0242-01	Soil		SM 2540G SW-846 6010B SW-846 7471B SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	
Vault 1	10L0242-02	Sludge		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471B SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	
TP 203 (2.5-3ft)	10L0242-03	Soil		SM 2540G SW-846 6010B SW-846 7471B SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	
Vault 2	10L0242-04	Sludge		MADEP-EPH-04-1.1 SM 2540G SW-846 6010B SW-846 7471B SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	
TP 202 (2.5/2-3ft)	10L0242-05	Soil		SM 2540G SW-846 6010B SW-846 7471B SW-846 8081A SW-846 8082 SW-846 8260B SW-846 8270C	

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 12/23/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 170023

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10L0242

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TP 201 North (2-2.5ft)	10L0242-06	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 7471B	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
TP 204 (1.5-2ft)	10L0242-07	Soil		SW-846 8270C	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471B	
				SW-846 8081A	
				SW-846 8082	
Trip Blank	10L0242-08	Trip Blank Soil		SW-846 8260B	
				SW-846 8270C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - Email with sample depth revisions scanned into report.

For method 6010, Be hits for samples 10L0242-01 and B023567-DUP1 and Sb hits for samples 10L0242-02 and 04 were confirmed by method 7010.

For method EPH, only carbon ranges were requested and reported.

SW-846 6010B**Qualifications:**

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**Antimony**

10L0242-01[TP 201 South (3-3.5ft)], B023567-MS1, B023567-MSD1

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:**Lead, Zinc**

B023567-MS1

SW-846 8260B**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:**1,2,3-Trichloropropane, tert-Butylbenzene**

B023510-BS1, B023510-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,2-Dichloropropane**

10L0242-02[Vault 1], 10L0242-04[Vault 2], B023643-BLK1, B023643-BS1, B023643-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**tert-Butylbenzene**

10L0242-02[Vault 1], B023643-BS1, B023643-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Diethyl Ether**

B023643-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP), Tetrachloroethylene**

B023643-BS1, B023643-BSD1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:**1,4-Dioxane, 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromomethane**

B023643-BSD1, B023643-BS1, B023510-BS1, B023510-BSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP), 1,4-Dioxane, 2-Butanone (MEK), Tetrachloroethylene**

10L0242-02[Vault 1], 10L0242-04[Vault 2], B023643-BLK1, B023643-BS1, B023643-BSD1

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

10L0242-02[Vault 1]

Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

10L0242-04[Vault 2]

Surrogate recovery is outside of control limits. Reanalysis is not required if % solids is <75% and recovery is >10%.

Analyte & Samples(s) Qualified:**4-Bromofluorobenzene, Toluene-d8**

10L0242-04[Vault 2]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, Bromodichloromethane, Bromoform, Bromomethane, Carbon Tetrachloride, Chlorodibromomethane, Dichlorodifluoromethane (Freon 12), Naphthalene, tert-Amyl Methyl Ether (TAME), tert-Butyl Ethyl Ether (TBEE), trans-1,3-Dichloropropene**

10L0242-01[TP 201 South (3-3.5ft)], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-06[TP 201 North (2-2.5ft)], 10L0242-07[TP 204 (1.5-2ft)], 10L0242-08[Trip Blank], B023510-BLK1, B023510-BS1, B023510-BSD1, 10L0242-02[Vault 1], 10L0242-04[Vault 2], B023643-BLK1, B023643-BS1, B023643-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane, 2-Butanone (MEK), Acetone, Tetrahydrofuran**

10L0242-01[TP 201 South (3-3.5ft)], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-06[TP 201 North (2-2.5ft)], 10L0242-07[TP 204 (1.5-2ft)], 10L0242-08[Trip Blank], B023510-BLK1, B023510-BS1, B023510-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**Trichlorofluoromethane (Freon 11)**

B023643-BS1, B023643-BSD1

SW-846 8270C**Qualifications:**

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**4-Chloroaniline, Bis(2-chloroisopropyl)ether**

10L0242-01[TP 201 South (3-3.5ft)], 10L0242-02[Vault 1], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-04[Vault 2], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-06[TP 201 North (2-2.5ft)], 10L0242-07[TP 204 (1.5-2ft)], B023660-BLK1, B023541-BLK1, B023541-BS1, B023541-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Aniline**

B023660-BS1

Compound classified by MA CAM as difficult with acceptable recoveries of 15-140%. Recovery does not meet criteria of 40-140% for Base/Neutral or 30-130% for Acids but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:**4-Chloroaniline**

B023660-BS1, B023660-BSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:**4-Chloroaniline, Aniline, Bis(2-chloroisopropyl)ether**

10L0242-01[TP 201 South (3-3.5ft)], B023660-MS1, B023660-MSD1

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:**Aniline, Di-n-octylphthalate, Fluoranthene**

10L0242-01[TP 201 South (3-3.5ft)], B023660-MS1, B023660-MSD1

Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 4-Bromophenylphenylether, 4-Chloroaniline, Acetophenone, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Butylbenzylphthalate, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Di-n-octylphthalate, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Isophorone, Nitrobenzene, Phenol

10L0242-02[Vault 1], 10L0242-04[Vault 2]

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:**2,4,6-Tribromophenol**

10L0242-03[TP 203 (2.5-3ft)], 10L0242-07[TP 204 (1.5-2ft)]

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol, Bis(2-chloroisopropyl)ether**

10L0242-01[TP 201 South (3-3.5ft)], 10L0242-02[Vault 1], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-04[Vault 2], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-06[TP 201 North (2-2.5ft)], 10L0242-07[TP 204 (1.5-2ft)], B023541-BLK1, B023541-BS1, B023541-BSD1, B023660-BLK1, B023660-BS1, B023660-BSD1, B023660-MS1, B023660-MSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**2,4-Dinitrophenol, 2-Methylphenol, Bis(2-chloroisopropyl)ether, Pentachlorophenol**

10L0242-01[TP 201 South (3-3.5ft)], 10L0242-06[TP 201 North (2-2.5ft)], B023541-BLK1, B023541-BS1, B023541-BSD1, B023660-BLK1, B023660-BS1, B023660-BSD1, B023660-MS1, B023660-MSD1, 10L0242-02[Vault 1], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-04[Vault 2], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-07[TP 204 (1.5-2ft)]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene**

10L0242-02[Vault 1], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-07[TP 204 (1.5-2ft)], B023660-BS1, B023660-BSD1, B023660-MS1, B023660-MSD1, 10L0242-04[Vault 2]

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:**3,3-Dichlorobenzidine, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene**

10L0242-02[Vault 1], 10L0242-03[TP 203 (2.5-3ft)], 10L0242-04[Vault 2], 10L0242-05[TP 202 (2.5/2-3ft)], 10L0242-06[TP 201 North (2-2.5ft)], 10L0242-07[TP 204 (1.5-2ft)]

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

SW-846 8260B

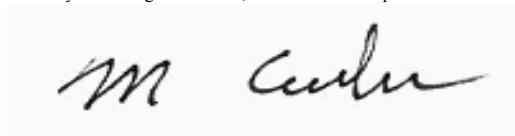
Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.065	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Bromochloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Bromomethane	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Chlorodibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Chloroethane	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Chloromethane	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2-Dibromoethane (EDB)	ND	0.00065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,3-Dichloropropane	ND	0.00065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
trans-1,3-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Diethyl Ether	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 13:29	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Methylene Chloride	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Naphthalene	ND	0.0065	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.00065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Tetrahydrofuran	ND	0.0065	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2,3-Trichlorobenzene	ND	0.0065	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2,4-Trichlorobenzene	ND	0.0065	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Vinyl Chloride	ND	0.0065	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 13:29	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	96.8	70-130							
Toluene-d8	96.6	70-130							
4-Bromofluorobenzene	94.4	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Acetophenone	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Aniline	ND	0.48	mg/Kg dry	1	MS-09, R-06	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Benzo(a)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Benzo(a)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Benzo(b)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Benzo(g,h,i)perylene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Benzo(k)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Bis(2-chloroethoxy)methane	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Bis(2-chloroethyl)ether	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Bis(2-chloroisopropyl)ether	ND	0.48	mg/Kg dry	1	MS-09, V-04, V-05	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
4-Bromophenylphenylether	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Butylbenzylphthalate	ND	0.93	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
4-Chloroaniline	ND	0.93	mg/Kg dry	1	L-04, MS-09	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2-Chloronaphthalene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2-Chlorophenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Chrysene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Dibenzofuran	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Di-n-butylphthalate	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
1,2-Dichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
1,3-Dichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
1,4-Dichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
3,3-Dichlorobenzidine	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4-Dichlorophenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Diethylphthalate	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4-Dimethylphenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Dimethylphthalate	ND	0.93	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4-Dinitrophenol	ND	0.93	mg/Kg dry	1	V-04, V-05	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4-Dinitrotoluene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,6-Dinitrotoluene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Di-n-octylphthalate	ND	0.93	mg/Kg dry	1	R-06	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Fluoranthene	ND	0.24	mg/Kg dry	1	R-06	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Hexachlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Hexachlorobutadiene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Hexachloroethane	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Isophorone	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2-Methylphenol	ND	0.48	mg/Kg dry	1	V-05	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
3/4-Methylphenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Nitrobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2-Nitrophenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
4-Nitrophenol	ND	0.93	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Pentachlorophenol	ND	0.48	mg/Kg dry	1	V-05	SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Phenanthrene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Phenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
1,2,4-Trichlorobenzene	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4,5-Trichlorophenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
2,4,6-Trichlorophenol	ND	0.48	mg/Kg dry	1		SW-846 8270C	12/14/10	12/15/10 17:55	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	81.5	30-130							
Phenol-d6	87.9	30-130							
Nitrobenzene-d5	67.2	30-130							
2-Fluorobiphenyl	70.8	30-130							
2,4,6-Tribromophenol	84.2	30-130							
Terphenyl-d14	79.1	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
alpha-BHC [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
beta-BHC [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
delta-BHC [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
gamma-BHC (Lindane) [1]	ND	0.0028	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Chlordane [1]	ND	0.028	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
4,4'-DDD [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
4,4'-DDE [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
4,4'-DDT [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Dieldrin [1]	ND	0.0056	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Endosulfan I [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Endosulfan II [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Endosulfan sulfate [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Endrin [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Endrin ketone [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Heptachlor [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Heptachlor epoxide [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Hexachlorobenzene [1]	ND	0.0070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Methoxychlor [1]	ND	0.070	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:13	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	89.7	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	80.9	30-150							
Tetrachloro-m-xylene [2]	105	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 12:54	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	106	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	114	30-150							
Tetrachloro-m-xylene [2]	119	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.5	mg/Kg dry	1	MS-09	SW-846 6010B	12/14/10	12/14/10 15:37	OP
Arsenic	3.9	3.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Barium	31	3.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Beryllium	1.8	0.35	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Cadmium	ND	0.35	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Chromium	8.4	0.69	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Lead	17	1.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Mercury	0.45	0.011	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:18	CWB
Nickel	4.7	0.69	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Selenium	ND	6.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Silver	ND	0.69	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Thallium	ND	3.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Vanadium	10	1.4	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP
Zinc	22	1.4	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 15:37	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 South (3-3.5ft)

Sampled: 12/7/2010 09:55

Sample ID: 10L0242-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	71.3		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	19	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.19	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Benzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Bromobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Bromochloromethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Bromodichloromethane	ND	0.38	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Bromoform	ND	0.38	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Bromomethane	ND	3.8	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
2-Butanone (MEK)	ND	7.6	mg/Kg dry	2	R-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
n-Butylbenzene	5.5	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
sec-Butylbenzene	2.6	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
tert-Butylbenzene	0.59	0.38	mg/Kg dry	2	L-06	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.19	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Carbon Disulfide	ND	3.8	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Carbon Tetrachloride	ND	0.38	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Chlorobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Chlorodibromomethane	ND	0.19	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Chloroethane	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Chloroform	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Chloromethane	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
2-Chlorotoluene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
4-Chlorotoluene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.9	mg/Kg dry	2	R-05, V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2-Dibromoethane (EDB)	ND	0.19	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Dibromomethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.76	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1-Dichloroethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2-Dichloroethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1-Dichloroethylene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
cis-1,2-Dichloroethylene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
trans-1,2-Dichloroethylene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2-Dichloropropane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,3-Dichloropropane	ND	0.19	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
2,2-Dichloropropane	ND	0.38	mg/Kg dry	2	L-04, V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1-Dichloropropene	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
cis-1,3-Dichloropropene	ND	0.19	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
trans-1,3-Dichloropropene	ND	0.19	mg/Kg dry	2	V-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Diethyl Ether	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Diisopropyl Ether (DIPE)	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,4-Dioxane	ND	76	mg/Kg dry	2	R-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Hexachlorobutadiene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
2-Hexanone (MBK)	ND	3.8	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Isopropylbenzene (Cumene)	13	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
p-Isopropyltoluene (p-Cymene)	5.4	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Methylene Chloride	ND	1.9	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
4-Methyl-2-pentanone (MIBK)	ND	3.8	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Naphthalene	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
n-Propylbenzene	21	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Styrene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1,1,2-Tetrachloroethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1,2,2-Tetrachloroethane	ND	0.19	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Tetrachloroethylene	ND	0.38	mg/Kg dry	2	R-05	SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Tetrahydrofuran	ND	3.8	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Toluene	1.1	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2,3-Trichlorobenzene	ND	1.9	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1,1-Trichloroethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,1,2-Trichloroethane	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Trichloroethylene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Trichlorofluoromethane (Freon 11)	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2,3-Trichloropropane	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,2,4-Trimethylbenzene	60	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
1,3,5-Trimethylbenzene	33	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Vinyl Chloride	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
m+p Xylene	ND	0.76	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
o-Xylene	ND	0.38	mg/Kg dry	2		SW-846 8260B	12/14/10	12/14/10 10:24	LBD
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	85.4	70-130							
Toluene-d8	97.0	70-130							
4-Bromofluorobenzene	100	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.1	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Acenaphthylene	ND	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Acetophenone	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Aniline	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Anthracene	1.9	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Benzo(a)anthracene	3.6	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Benzo(a)pyrene	3.0	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Benzo(b)fluoranthene	4.0	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Benzo(g,h,i)perylene	1.1	0.73	mg/Kg dry	2	V-06	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Benzo(k)fluoranthene	1.7	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	2	L-04, RL-08, V-04, V-05	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Bis(2-Ethylhexyl)phthalate	26	3.6	mg/Kg dry	5		SW-846 8270C	12/13/10	12/16/10 17:13	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Butylbenzylphthalate	ND	2.8	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
4-Chloroaniline	ND	2.8	mg/Kg dry	2	L-04, RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2-Chloronaphthalene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Chrysene	3.8	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Dibenz(a,h)anthracene	ND	0.73	mg/Kg dry	2	V-20	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Di-n-butylphthalate	1.6	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
1,2-Dichlorobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
1,3-Dichlorobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
1,4-Dichlorobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
3,3-Dichlorobenzidine	ND	0.73	mg/Kg dry	2	V-20	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Dimethylphthalate	ND	2.8	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4-Dinitrophenol	ND	2.8	mg/Kg dry	2	V-04	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Di-n-octylphthalate	ND	2.8	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Fluoranthene	7.9	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Fluorene	1.0	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.73	mg/Kg dry	2	V-06	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Isophorone	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Naphthalene	ND	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2-Nitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
4-Nitrophenol	ND	2.8	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Phenanthrene	6.7	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Phenol	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Pyrene	5.5	0.73	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 15:12	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	70.0		30-130				12/16/10 15:12		
Phenol-d6	72.9		30-130				12/16/10 15:12		
Nitrobenzene-d5	54.3		30-130				12/16/10 15:12		
2-Fluorobiphenyl	82.0		30-130				12/16/10 15:12		
2,4,6-Tribromophenol	71.0		30-130				12/16/10 15:12		
Terphenyl-d14	62.3		30-130				12/16/10 15:12		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
alpha-BHC [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
beta-BHC [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
delta-BHC [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
gamma-BHC (Lindane) [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Chlordane [1]	ND	0.043	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
4,4'-DDD [1]	0.015	0.0085	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
4,4'-DDE [2]	0.017	0.0085	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
4,4'-DDT [2]	0.033	0.0085	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Dieldrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Endosulfan I [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Endosulfan II [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Endosulfan sulfate [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Endrin [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Endrin ketone [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Heptachlor [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Heptachlor epoxide [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Hexachlorobenzene [1]	ND	0.011	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Methoxychlor [1]	ND	0.11	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:06	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	66.5	30-150							
Decachlorobiphenyl [2]	88.7	30-150							
Tetrachloro-m-xylene [1]	43.4	30-150							
Tetrachloro-m-xylene [2]	64.9	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1254 [2]	0.55	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 7:50	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	99.7	30-150							
Decachlorobiphenyl [2]	113	30-150							
Tetrachloro-m-xylene [1]	81.1	30-150							
Tetrachloro-m-xylene [2]	95.1	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	5100	1100	mg/Kg dry	50		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:27	CJM
C19-C36 Aliphatics	1500	1100	mg/Kg dry	50		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:27	CJM
Unadjusted C11-C22 Aromatics	2100	210	mg/Kg dry	10		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:27	CJM
C11-C22 Aromatics	2100	210	mg/Kg dry	10		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:27	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	76.0		40-140				12/13/10 23:12		
o-Terphenyl (OTP)	93.9		40-140				12/13/10 23:12		
2-Bromonaphthalene	124		40-140				12/13/10 23:12		
2-Fluorobiphenyl	112		40-140				12/13/10 23:12		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	74	5.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Arsenic	9.5	5.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Barium	2700	5.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Beryllium	ND	0.55	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Cadmium	5.4	0.55	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Chromium	250	1.1	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Lead	530	1.7	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Mercury	0.37	0.017	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:29	CWB
Nickel	17	1.1	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Selenium	ND	11	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Silver	1.4	1.1	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Thallium	ND	5.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Vanadium	17	2.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP
Zinc	1000	2.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:28	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 1

Sampled: 12/7/2010 13:30

Sample ID: 10L0242-02

Sample Matrix: Sludge

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	46.8		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.041	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Benzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Bromobenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Bromochloromethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Bromodichloromethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Bromoform	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Bromomethane	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
2-Butanone (MEK)	ND	0.016	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
sec-Butylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
tert-Butylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Carbon Disulfide	ND	0.0024	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Chlorobenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Chlorodibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Chloroethane	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Chloroform	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Chloromethane	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
2-Chlorotoluene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
4-Chlorotoluene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2-Dibromoethane (EDB)	ND	0.00041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Dibromomethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2-Dichlorobenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,3-Dichlorobenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,4-Dichlorobenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1-Dichloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2-Dichloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
cis-1,2-Dichloroethylene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
trans-1,2-Dichloroethylene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2-Dichloropropane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,3-Dichloropropane	ND	0.00041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
2,2-Dichloropropane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1-Dichloropropene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
cis-1,3-Dichloropropene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
trans-1,3-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Diethyl Ether	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Diisopropyl Ether (DIPE)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,4-Dioxane	ND	0.081	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:21	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Hexachlorobutadiene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
2-Hexanone (MBK)	ND	0.0081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Methylene Chloride	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.0081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
n-Propylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Styrene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.00041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Tetrachloroethylene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Tetrahydrofuran	ND	0.0041	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Toluene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2,3-Trichlorobenzene	ND	0.0041	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2,4-Trichlorobenzene	ND	0.0041	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1,1-Trichloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,1,2-Trichloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Trichloroethylene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2,3-Trichloropropane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,2,4-Trimethylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
1,3,5-Trimethylbenzene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Vinyl Chloride	ND	0.0041	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
m+p Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
o-Xylene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:21	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	89.2	70-130							
Toluene-d8	95.2	70-130							
4-Bromofluorobenzene	92.4	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Acetophenone	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Anthracene	0.35	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Benzo(a)anthracene	0.87	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Benzo(a)pyrene	0.80	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Benzo(b)fluoranthene	1.0	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Benzo(g,h,i)perylene	0.34	0.21	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Benzo(k)fluoranthene	0.42	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1	L-04, V-04, V-05	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Bis(2-Ethylhexyl)phthalate	3.0	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Butylbenzylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1	L-04	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Chrysene	0.91	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Di-n-butylphthalate	0.47	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
1,2-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
1,3-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
1,4-Dichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Dimethylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1	V-04	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Di-n-octylphthalate	ND	0.83	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Fluoranthene	1.5	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Indeno(1,2,3-cd)pyrene	0.43	0.21	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Phenanthrene	1.7	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Pyrene	1.4	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 17:45	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	128		30-130				12/16/10 17:45		
Phenol-d6	129		30-130				12/16/10 17:45		
Nitrobenzene-d5	110		30-130				12/16/10 17:45		
2-Fluorobiphenyl	98.8		30-130				12/16/10 17:45		
2,4,6-Tribromophenol	164		30-130		S-07		12/16/10 17:45		
Terphenyl-d14	95.0		30-130				12/16/10 17:45		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
alpha-BHC [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
beta-BHC [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
delta-BHC [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
gamma-BHC (Lindane) [1]	ND	0.0025	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Chlordane [1]	ND	0.025	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
4,4'-DDD [1]	ND	0.0050	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
4,4'-DDE [1]	ND	0.0050	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
4,4'-DDT [2]	0.012	0.0050	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Dieldrin [1]	ND	0.0050	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Endosulfan I [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Endosulfan II [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Endosulfan sulfate [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Endrin [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Endrin ketone [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Heptachlor [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Heptachlor epoxide [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Hexachlorobenzene [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Methoxychlor [1]	ND	0.063	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:25	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	85.8	30-150							
Decachlorobiphenyl [2]	113	30-150							
Tetrachloro-m-xylene [1]	65.8	30-150							
Tetrachloro-m-xylene [2]	92.0	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:21	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	92.4	30-150							
Decachlorobiphenyl [2]	101	30-150							
Tetrachloro-m-xylene [1]	101	30-150							
Tetrachloro-m-xylene [2]	108	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Arsenic	ND	3.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Barium	150	3.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Beryllium	ND	0.33	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Cadmium	1.6	0.33	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Chromium	30	0.65	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Lead	90	0.98	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Mercury	0.16	0.010	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:31	CWB
Nickel	5.5	0.65	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Silver	ND	0.65	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Thallium	ND	3.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Vanadium	8.8	1.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP
Zinc	210	1.3	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:33	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 203 (2.5-3ft)

Sampled: 12/8/2010 09:00

Sample ID: 10L0242-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.2		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 2

Sampled: 12/8/2010 09:30

Sample ID: 10L0242-04

Sample Matrix: Sludge

Sample Flags: RL-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	13	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.13	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Benzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Bromobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Bromochloromethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Bromodichloromethane	ND	0.26	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Bromoform	ND	0.26	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Bromomethane	ND	2.6	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
2-Butanone (MEK)	7.7	5.3	mg/Kg dry	1	R-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
n-Butylbenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
sec-Butylbenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
tert-Butylbenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.13	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Carbon Disulfide	ND	2.6	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Carbon Tetrachloride	ND	0.26	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Chlorobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Chlorodibromomethane	ND	0.13	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Chloroethane	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Chloroform	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Chloromethane	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
2-Chlorotoluene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
4-Chlorotoluene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.3	mg/Kg dry	1	R-05, V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2-Dibromoethane (EDB)	ND	0.13	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Dibromomethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2-Dichlorobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,3-Dichlorobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,4-Dichlorobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.53	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1-Dichloroethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2-Dichloroethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1-Dichloroethylene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
cis-1,2-Dichloroethylene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
trans-1,2-Dichloroethylene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2-Dichloropropane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,3-Dichloropropane	ND	0.13	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
2,2-Dichloropropane	ND	0.26	mg/Kg dry	1	L-04, V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1-Dichloropropene	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
cis-1,3-Dichloropropene	ND	0.13	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
trans-1,3-Dichloropropene	ND	0.13	mg/Kg dry	1	V-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Diethyl Ether	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Diisopropyl Ether (DIPE)	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,4-Dioxane	ND	53	mg/Kg dry	1	R-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 2

Sampled: 12/8/2010 09:30

Sample ID: 10L0242-04

Sample Matrix: Sludge

Sample Flags: RL-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Hexachlorobutadiene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
2-Hexanone (MBK)	ND	2.6	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Isopropylbenzene (Cumene)	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
p-Isopropyltoluene (p-Cymene)	0.71	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Methylene Chloride	ND	1.3	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
4-Methyl-2-pentanone (MIBK)	ND	2.6	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Naphthalene	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
n-Propylbenzene	0.33	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Styrene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1,1,2-Tetrachloroethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1,2,2-Tetrachloroethane	ND	0.13	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Tetrachloroethylene	ND	0.26	mg/Kg dry	1	R-05	SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Tetrahydrofuran	ND	2.6	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Toluene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2,3-Trichlorobenzene	ND	1.3	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2,4-Trichlorobenzene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1,1-Trichloroethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,1,2-Trichloroethane	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Trichloroethylene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Trichlorofluoromethane (Freon 11)	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2,3-Trichloropropane	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,2,4-Trimethylbenzene	1.4	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
1,3,5-Trimethylbenzene	0.54	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Vinyl Chloride	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
m+p Xylene	ND	0.53	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
o-Xylene	ND	0.26	mg/Kg dry	1		SW-846 8260B	12/14/10	12/14/10 9:52	LBD
Surrogates	% Recovery		Recovery Limits		Flag				
1,2-Dichloroethane-d4	122		70-130				12/14/10	9:52	
Toluene-d8	139	*	70-130		S-16		12/14/10	9:52	
4-Bromofluorobenzene	132	*	70-130		S-16		12/14/10	9:52	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 2

Sampled: 12/8/2010 09:30

Sample ID: 10L0242-04

Sample Matrix: Sludge

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	3.6	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Acenaphthylene	ND	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Acetophenone	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Aniline	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Anthracene	3.9	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Benzo(a)anthracene	5.2	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Benzo(a)pyrene	3.7	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Benzo(b)fluoranthene	5.4	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Benzo(g,h,i)perylene	1.0	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Benzo(k)fluoranthene	2.4	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Bis(2-chloroethoxy)methane	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Bis(2-chloroethyl)ether	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Bis(2-chloroisopropyl)ether	ND	1.4	mg/Kg dry	2	L-04, RL-08, V-04, V-05	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Bis(2-Ethylhexyl)phthalate	6.4	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
4-Bromophenylphenylether	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Butylbenzylphthalate	ND	2.7	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
4-Chloroaniline	ND	2.7	mg/Kg dry	2	L-04, RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2-Chloronaphthalene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2-Chlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Chrysene	5.0	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Dibenz(a,h)anthracene	ND	0.70	mg/Kg dry	2	V-20	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Dibenzofuran	2.2	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Di-n-butylphthalate	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
1,2-Dichlorobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
1,3-Dichlorobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
1,4-Dichlorobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
3,3-Dichlorobenzidine	ND	0.70	mg/Kg dry	2	V-20	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4-Dichlorophenol	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Diethylphthalate	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4-Dimethylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Dimethylphthalate	ND	2.7	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4-Dinitrophenol	ND	2.7	mg/Kg dry	2	V-04, RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4-Dinitrotoluene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,6-Dinitrotoluene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Di-n-octylphthalate	ND	2.7	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Fluoranthene	15	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Fluorene	2.4	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Hexachlorobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Hexachlorobutadiene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Hexachloroethane	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Indeno(1,2,3-cd)pyrene	1.6	0.70	mg/Kg dry	2	V-06	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Isophorone	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 2

Sampled: 12/8/2010 09:30

Sample ID: 10L0242-04

Sample Matrix: Sludge

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	1.3	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
3/4-Methylphenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Naphthalene	1.2	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Nitrobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2-Nitrophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
4-Nitrophenol	ND	2.7	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Pentachlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Phenanthrene	15	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Phenol	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Pyrene	7.8	0.70	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
1,2,4-Trichlorobenzene	ND	1.4	mg/Kg dry	2	RL-08	SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4,5-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
2,4,6-Trichlorophenol	ND	1.4	mg/Kg dry	2		SW-846 8270C	12/13/10	12/16/10 16:16	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	96.1	30-130							
Phenol-d6	110	30-130							
Nitrobenzene-d5	80.5	30-130							
2-Fluorobiphenyl	114	30-130							
2,4,6-Tribromophenol	89.2	30-130							
Terphenyl-d14	74.5	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Vault 2

Sampled: 12/8/2010 09:30

Sample ID: 10L0242-04

Sample Matrix: Sludge

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
alpha-BHC [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
beta-BHC [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
delta-BHC [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
gamma-BHC (Lindane) [1]	ND	0.0041	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Chlordane [1]	ND	0.041	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
4,4'-DDD [2]	0.0090	0.0083	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
4,4'-DDE [1]	ND	0.0083	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
4,4'-DDT [2]	0.014	0.0083	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Dieldrin [1]	ND	0.0083	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Endosulfan I [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Endosulfan II [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Endosulfan sulfate [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Endrin [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Endrin ketone [1]	ND	0.017	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Heptachlor [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Heptachlor epoxide [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Hexachlorobenzene [1]	ND	0.010	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Methoxychlor [1]	ND	0.10	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 18:45	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	60.4	30-150							
Decachlorobiphenyl [2]	77.6	30-150							
Tetrachloro-m-xylene [1]	44.6	30-150							
Tetrachloro-m-xylene [2]	66.0	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Sampled: 12/8/2010 09:30

Field Sample #: Vault 2

Sample ID: 10L0242-04

Sample Matrix: Sludge

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1221 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1232 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1242 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1248 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1254 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1260 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1262 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Aroclor-1268 [1]	ND	0.21	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:04	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	90.5	30-150							
Decachlorobiphenyl [2]	103	30-150							
Tetrachloro-m-xylene [1]	78.2	30-150							
Tetrachloro-m-xylene [2]	89.8	30-150							

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Sampled: 12/8/2010 09:30

Field Sample #: Vault 2

Sample ID: 10L0242-04

Sample Matrix: Sludge

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	6800	840	mg/Kg dry	40		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:49	CJM
C19-C36 Aliphatics	3400	840	mg/Kg dry	40		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:49	CJM
Unadjusted C11-C22 Aromatics	1700	210	mg/Kg dry	10		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:49	CJM
C11-C22 Aromatics	1700	210	mg/Kg dry	10		MADEP-EPH-04-1.1	12/10/10	12/14/10 9:49	CJM
Surrogates	% Recovery		Recovery Limits		Flag				
Chlorooctadecane (COD)	79.0		40-140				12/13/10 23:33		
o-Terphenyl (OTP)	94.2		40-140				12/13/10 23:33		
2-Bromonaphthalene	104		40-140				12/13/10 23:33		
2-Fluorobiphenyl	103		40-140				12/13/10 23:33		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Sampled: 12/8/2010 09:30

Field Sample #: Vault 2

Sample ID: 10L0242-04

Sample Matrix: Sludge

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	34	4.8	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Arsenic	9.3	4.8	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Barium	3300	4.8	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Beryllium	ND	0.48	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Cadmium	3.2	0.48	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Chromium	150	0.96	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Lead	300	1.4	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Mercury	0.37	0.016	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:32	CWB
Nickel	14	0.96	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Selenium	ND	9.6	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Silver	ND	0.96	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Thallium	ND	4.8	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Vanadium	16	1.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP
Zinc	1700	1.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:39	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Sampled: 12/8/2010 09:30

Field Sample #: Vault 2

Sample ID: 10L0242-04

Sample Matrix: Sludge

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	47.9		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.070	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Bromochloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Bromomethane	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
n-Butylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Carbon Tetrachloride	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Chlorodibromomethane	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Chloroethane	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Chloromethane	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,3-Dichloropropane	ND	0.00070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
cis-1,3-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
trans-1,3-Dichloropropene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Diethyl Ether	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Diisopropyl Ether (DIPE)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,4-Dioxane	ND	0.14	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:47	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Isopropylbenzene (Cumene)	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Methylene Chloride	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Naphthalene	ND	0.0070	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.00070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Tetrahydrofuran	ND	0.0070	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2,3-Trichlorobenzene	ND	0.0070	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2,4-Trichlorobenzene	ND	0.0070	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Vinyl Chloride	ND	0.0070	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 14:47	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	89.2	70-130							
Toluene-d8	94.9	70-130							
4-Bromofluorobenzene	94.0	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.26	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Acetophenone	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Anthracene	0.75	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Benzo(a)anthracene	3.0	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Benzo(a)pyrene	2.3	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Benzo(b)fluoranthene	2.7	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Benzo(g,h,i)perylene	0.78	0.20	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Benzo(k)fluoranthene	1.1	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1	V-05, L-04, V-04	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Butylbenzylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
4-Chloroaniline	ND	0.78	mg/Kg dry	1	L-04	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Chrysene	3.0	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Dibenz(a,h)anthracene	0.31	0.20	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
1,2-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
1,3-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
1,4-Dichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Dimethylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1	V-04	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Di-n-octylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Fluoranthene	6.2	1.0	mg/Kg dry	5		SW-846 8270C	12/13/10	12/16/10 18:32	BGL
Fluorene	0.31	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Indeno(1,2,3-cd)pyrene	1.1	0.20	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Phenanthrene	3.6	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Pyrene	5.9	1.0	mg/Kg dry	5		SW-846 8270C	12/13/10	12/16/10 18:32	BGL
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:14	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	63.8	30-130							
Phenol-d6	65.8	30-130							
Nitrobenzene-d5	57.6	30-130							
2-Fluorobiphenyl	58.1	30-130							
2,4,6-Tribromophenol	76.7	30-130							
Terphenyl-d14	59.5	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
alpha-BHC [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
beta-BHC [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
delta-BHC [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
gamma-BHC (Lindane) [1]	ND	0.0024	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Chlordane [1]	ND	0.024	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
4,4'-DDD [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
4,4'-DDE [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
4,4'-DDT [2]	0.018	0.0047	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Dieldrin [1]	ND	0.0047	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Endosulfan I [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Endosulfan II [1]	ND	0.0094	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Endosulfan sulfate [1]	ND	0.0094	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Endrin [1]	ND	0.0094	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Endrin ketone [1]	ND	0.0094	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Heptachlor [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Heptachlor epoxide [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Hexachlorobenzene [1]	ND	0.0059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Methoxychlor [1]	ND	0.059	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 19:04	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	107		30-150				12/12/10 19:04		
Decachlorobiphenyl [2]	128		30-150				12/12/10 19:04		
Tetrachloro-m-xylene [1]	68.4		30-150				12/12/10 19:04		
Tetrachloro-m-xylene [2]	104		30-150				12/12/10 19:04		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 13:48	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	87.7	30-150						12/10/10 13:48	
Decachlorobiphenyl [2]	99.7	30-150						12/10/10 13:48	
Tetrachloro-m-xylene [1]	101	30-150						12/10/10 13:48	
Tetrachloro-m-xylene [2]	104	30-150						12/10/10 13:48	

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Arsenic	13	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Barium	120	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Cadmium	0.53	0.30	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Chromium	11	0.60	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Lead	250	0.90	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Mercury	2.9	0.093	mg/Kg dry	10		SW-846 7471B	12/10/10	12/14/10 14:32	CWB
Nickel	11	0.60	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Vanadium	14	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP
Zinc	180	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:44	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 202 (2.5/2-3ft)

Sampled: 12/8/2010 10:30

Sample ID: 10L0242-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.1		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.062	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Bromochloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Bromomethane	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
2-Butanone (MEK)	ND	0.025	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Carbon Disulfide	ND	0.0037	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Chlorodibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Chloroethane	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Chloroform	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Chloromethane	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2-Dibromoethane (EDB)	ND	0.00062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,3-Dichloropropane	ND	0.00062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
trans-1,3-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Diethyl Ether	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Diisopropyl Ether (DIPE)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,4-Dioxane	ND	0.12	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:13	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Methylene Chloride	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Naphthalene	ND	0.0062	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.00062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Tetrahydrofuran	ND	0.0062	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2,3-Trichlorobenzene	ND	0.0062	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2,4-Trichlorobenzene	ND	0.0062	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Vinyl Chloride	ND	0.0062	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
m+p Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:13	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	93.6	70-130							
Toluene-d8	94.3	70-130							
4-Bromofluorobenzene	93.0	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1	L-04, V-04, V-05	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Butylbenzylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1	L-04	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Dimethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-04, V-05	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	12/13/10	12/14/10 21:35	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	46.9	30-130							
Phenol-d6	58.1	30-130							
Nitrobenzene-d5	46.9	30-130							
2-Fluorobiphenyl	61.3	30-130							
2,4,6-Tribromophenol	31.1	30-130							
Terphenyl-d14	39.2	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
alpha-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
beta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
delta-BHC [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
gamma-BHC (Lindane) [1]	ND	0.0023	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Chlordane [1]	ND	0.023	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
4,4'-DDD [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
4,4'-DDE [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
4,4'-DDT [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Dieldrin [1]	ND	0.0046	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Endosulfan I [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Endosulfan II [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Endosulfan sulfate [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Endrin [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Endrin ketone [1]	ND	0.0092	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Heptachlor [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Heptachlor epoxide [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Hexachlorobenzene [1]	ND	0.0057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Methoxychlor [1]	ND	0.057	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:33	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	88.7	30-150							
Decachlorobiphenyl [2]	107	30-150							
Tetrachloro-m-xylene [1]	75.9	30-150							
Tetrachloro-m-xylene [2]	102	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/9/10	12/11/10 8:17	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	105		30-150				12/11/10 8:17		
Decachlorobiphenyl [2]	113		30-150				12/11/10 8:17		
Tetrachloro-m-xylene [1]	102		30-150				12/11/10 8:17		
Tetrachloro-m-xylene [2]	109		30-150				12/11/10 8:17		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Arsenic	6.2	2.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Barium	140	2.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Beryllium	ND	0.29	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Chromium	7.4	0.58	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Lead	49	0.88	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Mercury	0.036	0.0095	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:36	CWB
Nickel	7.0	0.58	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Vanadium	16	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP
Zinc	8.1	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:50	OP

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 201 North (2-2.5ft)

Sampled: 12/8/2010 11:25

Sample ID: 10L0242-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.063	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Bromochloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Bromomethane	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
2-Butanone (MEK)	ND	0.025	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Carbon Disulfide	ND	0.0038	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Chlorodibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Chloroethane	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Chloroform	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Chloromethane	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2-Dibromoethane (EDB)	ND	0.00063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,3-Dichloropropane	ND	0.00063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
trans-1,3-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Diethyl Ether	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:38	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Methylene Chloride	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Naphthalene	ND	0.0063	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.00063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Tetrahydrofuran	ND	0.0063	mg/Kg dry	1	V-16	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2,3-Trichlorobenzene	ND	0.0063	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2,4-Trichlorobenzene	ND	0.0063	mg/Kg dry	1	V-05	SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Vinyl Chloride	ND	0.0063	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
m+p Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/10	12/10/10 15:38	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	91.6	70-130							
Toluene-d8	95.1	70-130							
4-Bromofluorobenzene	93.2	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Acetophenone	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Benzo(a)anthracene	0.43	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Benzo(a)pyrene	0.35	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Benzo(b)fluoranthene	0.42	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1	V-04, V-05, L-04	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Bis(2-Ethylhexyl)phthalate	1.3	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Butylbenzylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
4-Chloroaniline	ND	0.81	mg/Kg dry	1	L-04	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Chrysene	0.42	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
1,2-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
1,3-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
1,4-Dichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1	V-20	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Dimethylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1	V-04	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Fluoranthene	0.82	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Indeno(1,2,3-cd)pyrene	0.27	0.21	mg/Kg dry	1	V-06	SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Phenanthrene	0.84	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Pyrene	0.68	0.21	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270C	12/13/10	12/16/10 14:43	BGL
Surrogates	% Recovery		Recovery Limits		Flag				
2-Fluorophenol	119		30-130				12/16/10 14:43		
Phenol-d6	128		30-130				12/16/10 14:43		
Nitrobenzene-d5	106		30-130				12/16/10 14:43		
2-Fluorobiphenyl	109		30-130				12/16/10 14:43		
2,4,6-Tribromophenol	140		30-130		S-07		12/16/10 14:43		
Terphenyl-d14	108		30-130				12/16/10 14:43		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
alpha-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
beta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
delta-BHC [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
gamma-BHC (Lindane) [1]	ND	0.0025	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Chlordane [1]	ND	0.025	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
4,4'-DDD [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
4,4'-DDE [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
4,4'-DDT [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Dieldrin [1]	ND	0.0049	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Endosulfan I [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Endosulfan II [1]	ND	0.0098	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Endosulfan sulfate [1]	ND	0.0098	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Endrin [1]	ND	0.0098	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Endrin ketone [1]	ND	0.0098	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Heptachlor [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Heptachlor epoxide [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Hexachlorobenzene [1]	ND	0.0061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Methoxychlor [1]	ND	0.061	mg/Kg dry	1		SW-846 8081A	12/9/10	12/12/10 14:52	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	83.7	30-150							
Decachlorobiphenyl [2]	100	30-150							
Tetrachloro-m-xylene [1]	75.3	30-150							
Tetrachloro-m-xylene [2]	98.4	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	12/9/10	12/10/10 14:15	PJG
Surrogates	% Recovery		Recovery Limits		Flag				
Decachlorobiphenyl [1]	83.9		30-150				12/10/10 14:15		
Decachlorobiphenyl [2]	89.5		30-150				12/10/10 14:15		
Tetrachloro-m-xylene [1]	87.0		30-150				12/10/10 14:15		
Tetrachloro-m-xylene [2]	90.3		30-150				12/10/10 14:15		

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Arsenic	13	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Barium	59	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Beryllium	ND	0.30	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Cadmium	ND	0.30	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Chromium	9.1	0.61	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Lead	44	0.91	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Mercury	0.024	0.010	mg/Kg dry	1		SW-846 7471B	12/10/10	12/14/10 13:37	CWB
Nickel	6.6	0.61	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Thallium	ND	3.0	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Vanadium	14	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP
Zinc	15	1.2	mg/Kg dry	1		SW-846 6010B	12/14/10	12/14/10 16:55	OP

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: TP 204 (1.5-2ft)

Sampled: 12/8/2010 12:00

Sample ID: 10L0242-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1		SM 2540G	12/9/10	12/10/10 8:59	VAF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Trip Blank

Sampled: 12/8/2010 00:00

Sample ID: 10L0242-08

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1	V-16	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
n-Butylbenzene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Chlorodibromomethane	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Chloroethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
cis-1,3-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Diethyl Ether	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Diisopropyl Ether (DIPE)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,4-Dioxane	ND	0.20	mg/Kg wet	1	V-16	SW-846 8260B	12/10/10	12/10/10 16:04	MFF

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0242

Date Received: 12/8/2010

Field Sample #: Trip Blank

Sampled: 12/8/2010 00:00

Sample ID: 10L0242-08

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Isopropylbenzene (Cumene)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Methylene Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Naphthalene	ND	0.010	mg/Kg wet	1	V-05	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2,3-Trichlorobenzene	ND	0.010	mg/Kg wet	1	V-05	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2,4-Trichlorobenzene	ND	0.010	mg/Kg wet	1	V-05	SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	12/10/10	12/10/10 16:04	MFF
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	101	70-130							
Toluene-d8	95.1	70-130							
4-Bromofluorobenzene	97.8	70-130							

Sample Extraction Data

Prep Method: SW-846 3546-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-02 [Vault 1]	B023500	20.0	2.00	12/10/10
10L0242-04 [Vault 2]	B023500	20.0	2.00	12/10/10

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023430	12/09/10
10L0242-02 [Vault 1]	B023430	12/09/10
10L0242-03 [TP 203 (2.5-3ft)]	B023430	12/09/10
10L0242-04 [Vault 2]	B023430	12/09/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023430	12/09/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023430	12/09/10
10L0242-07 [TP 204 (1.5-2ft)]	B023430	12/09/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023567	1.02	50.0	12/14/10
10L0242-02 [Vault 1]	B023567	0.966	50.0	12/14/10
10L0242-03 [TP 203 (2.5-3ft)]	B023567	0.971	50.0	12/14/10
10L0242-04 [Vault 2]	B023567	1.09	50.0	12/14/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023567	0.975	50.0	12/14/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023567	0.981	50.0	12/14/10
10L0242-07 [TP 204 (1.5-2ft)]	B023567	1.01	50.0	12/14/10

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023488	0.625	50.0	12/10/10
10L0242-02 [Vault 1]	B023488	0.618	50.0	12/10/10
10L0242-03 [TP 203 (2.5-3ft)]	B023488	0.606	50.0	12/10/10
10L0242-04 [Vault 2]	B023488	0.640	50.0	12/10/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023488	0.630	50.0	12/10/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023488	0.606	50.0	12/10/10
10L0242-07 [TP 204 (1.5-2ft)]	B023488	0.602	50.0	12/10/10

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023439	10.0	10.0	12/09/10
10L0242-02 [Vault 1]	B023439	10.0	10.0	12/09/10
10L0242-03 [TP 203 (2.5-3ft)]	B023439	10.1	10.0	12/09/10
10L0242-04 [Vault 2]	B023439	10.1	10.0	12/09/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023439	10.0	10.0	12/09/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023439	10.0	10.0	12/09/10
10L0242-07 [TP 204 (1.5-2ft)]	B023439	10.0	10.0	12/09/10

Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023437	10.0	50.0	12/09/10
10L0242-02 [Vault 1]	B023437	10.0	50.0	12/09/10
10L0242-03 [TP 203 (2.5-3ft)]	B023437	10.0	50.0	12/09/10
10L0242-04 [Vault 2]	B023437	10.0	50.0	12/09/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023437	10.0	50.0	12/09/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023437	10.0	50.0	12/09/10
10L0242-07 [TP 204 (1.5-2ft)]	B023437	10.0	50.0	12/09/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023510	10.9	10.0	12/10/10
10L0242-03 [TP 203 (2.5-3ft)]	B023510	15.6	10.0	12/10/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023510	8.39	10.0	12/10/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023510	9.28	10.0	12/10/10
10L0242-07 [TP 204 (1.5-2ft)]	B023510	9.72	10.0	12/10/10
10L0242-08 [Trip Blank]	B023510	5.00	10.0	12/10/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10L0242-02 [Vault 1]	B023643	12.3	21.8	0.5	50	12/14/10
10L0242-04 [Vault 2]	B023643	8.60	21.7	1	50	12/14/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-02 [Vault 1]	B023541	30.0	1.00	12/13/10
10L0242-02RE1 [Vault 1]	B023541	30.0	1.00	12/13/10
10L0242-03 [TP 203 (2.5-3ft)]	B023541	30.0	1.00	12/13/10
10L0242-04 [Vault 2]	B023541	30.3	1.00	12/13/10
10L0242-05 [TP 202 (2.5/2-3ft)]	B023541	30.0	1.00	12/13/10
10L0242-05RE1 [TP 202 (2.5/2-3ft)]	B023541	30.0	1.00	12/13/10
10L0242-06 [TP 201 North (2-2.5ft)]	B023541	30.0	1.00	12/13/10
10L0242-07 [TP 204 (1.5-2ft)]	B023541	30.0	1.00	12/13/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10L0242-01 [TP 201 South (3-3.5ft)]	B023660	30.0	1.00	12/14/10

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023510 - SW-846 5035										
Blank (B023510-BLK1)				Prepared & Analyzed: 12/10/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0020	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0040	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0040	mg/Kg wet							
Chloroethane	ND	0.010	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0020	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0040	mg/Kg wet							
Diethyl Ether	ND	0.010	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0020	mg/Kg wet							
1,4-Dioxane	ND	0.20	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0040	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.010	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.010	mg/Kg wet							V-05

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023510 - SW-846 5035										
Blank (B023510-BLK1)				Prepared & Analyzed: 12/10/10						
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.010	mg/Kg wet							V-05
1,2,4-Trichlorobenzene	ND	0.010	mg/Kg wet							V-05
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	0.0511		mg/Kg wet	0.0500		102	70-130			
Surrogate: Toluene-d8	0.0469		mg/Kg wet	0.0500		93.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0482		mg/Kg wet	0.0500		96.4	70-130			
LCS (B023510-BS1)				Prepared & Analyzed: 12/10/10						
Acetone	0.486	0.10	mg/Kg wet	0.400		122	40-160			V-16 †
tert-Amyl Methyl Ether (TAME)	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130			
Benzene	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130			
Bromobenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
Bromochloromethane	0.0189	0.0020	mg/Kg wet	0.0200		94.4	70-130			
Bromodichloromethane	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130			
Bromoform	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
Bromomethane	0.0200	0.010	mg/Kg wet	0.0200		99.8	40-160			†
2-Butanone (MEK)	0.358	0.040	mg/Kg wet	0.400		89.5	40-160			V-16 †
n-Butylbenzene	0.0189	0.0040	mg/Kg wet	0.0200		94.3	70-130			
sec-Butylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130			
tert-Butylbenzene	0.0379	0.0020	mg/Kg wet	0.0200		189 *	70-130			L-02
tert-Butyl Ethyl Ether (TBEE)	0.0196	0.0020	mg/Kg wet	0.0200		97.9	70-130			
Carbon Disulfide	0.232	0.0060	mg/Kg wet	0.200		116	70-130			
Carbon Tetrachloride	0.0191	0.0040	mg/Kg wet	0.0200		95.5	70-130			
Chlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130			
Chlorodibromomethane	0.0190	0.0040	mg/Kg wet	0.0200		95.0	70-130			
Chloroethane	0.0185	0.010	mg/Kg wet	0.0200		92.3	70-130			
Chloroform	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			
Chloromethane	0.0195	0.010	mg/Kg wet	0.0200		97.6	40-160			†
2-Chlorotoluene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130			
4-Chlorotoluene	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0239	0.0020	mg/Kg wet	0.0200		120	70-130			
1,2-Dibromoethane (EDB)	0.0186	0.0010	mg/Kg wet	0.0200		92.9	70-130			
Dibromomethane	0.0190	0.0020	mg/Kg wet	0.0200		94.8	70-130			
1,2-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
1,3-Dichlorobenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130			
1,4-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023510 - SW-846 5035										
LCS (B023510-BS1)				Prepared & Analyzed: 12/10/10						
Dichlorodifluoromethane (Freon 12)	0.0190	0.010	mg/Kg wet	0.0200		95.2	40-160			†
1,1-Dichloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.3	70-130			
1,2-Dichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,1-Dichloroethylene	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130			
cis-1,2-Dichloroethylene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130			
trans-1,2-Dichloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
1,2-Dichloropropane	0.0167	0.0020	mg/Kg wet	0.0200		83.5	70-130			
1,3-Dichloropropane	0.0178	0.0010	mg/Kg wet	0.0200		89.1	70-130			
2,2-Dichloropropane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130			
1,1-Dichloropropene	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130			
cis-1,3-Dichloropropene	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130			
trans-1,3-Dichloropropene	0.0201	0.0040	mg/Kg wet	0.0200		100	70-130			
Diethyl Ether	0.204	0.010	mg/Kg wet	0.200		102	70-130			
Diisopropyl Ether (DIPE)	0.0181	0.0020	mg/Kg wet	0.0200		90.5	70-130			
1,4-Dioxane	0.199	0.20	mg/Kg wet	0.200		99.3	40-160		V-16	†
Ethylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130			
Hexachlorobutadiene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130			
2-Hexanone (MBK)	0.345	0.020	mg/Kg wet	0.400		86.2	40-160			†
Isopropylbenzene (Cumene)	0.0216	0.0040	mg/Kg wet	0.0200		108	70-130			
p-Isopropyltoluene (p-Cymene)	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130			
Methyl tert-Butyl Ether (MTBE)	0.227	0.0040	mg/Kg wet	0.220		103	70-130			
Methylene Chloride	0.0182	0.010	mg/Kg wet	0.0200		90.9	70-130			
4-Methyl-2-pentanone (MIBK)	0.263	0.020	mg/Kg wet	0.400		65.7	40-160		L-14	†
Naphthalene	0.0170	0.010	mg/Kg wet	0.0200		84.8	70-130		V-05	
n-Propylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130			
Styrene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130			
1,1,1,2-Tetrachloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,1,1,2,2-Tetrachloroethane	0.0173	0.0010	mg/Kg wet	0.0200		86.6	70-130			
Tetrachloroethylene	0.0741	0.0020	mg/Kg wet	0.100		74.1	70-130			
Tetrahydrofuran	0.180	0.010	mg/Kg wet	0.200		90.1	70-130		V-16	
Toluene	0.0176	0.0020	mg/Kg wet	0.0200		88.0	70-130			
1,2,3-Trichlorobenzene	0.0162	0.010	mg/Kg wet	0.0200		81.2	70-130		V-05	
1,2,4-Trichlorobenzene	0.0169	0.010	mg/Kg wet	0.0200		84.7	70-130		V-05	
1,1,1-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6	70-130			
1,1,2-Trichloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.4	70-130			
Trichloroethylene	0.0184	0.0020	mg/Kg wet	0.0200		91.9	70-130			
Trichlorofluoromethane (Freon 11)	0.0214	0.010	mg/Kg wet	0.0200		107	70-130			
1,2,3-Trichloropropane	0.0587	0.0020	mg/Kg wet	0.0200		293	* 70-130			L-02
1,2,4-Trimethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130			
1,3,5-Trimethylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.1	70-130			
Vinyl Chloride	0.0197	0.010	mg/Kg wet	0.0200		98.4	70-130			
m+p Xylene	0.0386	0.0040	mg/Kg wet	0.0400		96.4	70-130			
o-Xylene	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0506		mg/Kg wet	0.0500		101	70-130			
Surrogate: Toluene-d8	0.0489		mg/Kg wet	0.0500		97.8	70-130			
Surrogate: 4-Bromofluorobenzene	0.0500		mg/Kg wet	0.0500		100	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023510 - SW-846 5035										
LCS Dup (B023510-BSD1)				Prepared & Analyzed: 12/10/10						
Acetone	0.509	0.10	mg/Kg wet	0.400		127	40-160	4.58	20	V-16 †
tert-Amyl Methyl Ether (TAME)	0.0200	0.0010	mg/Kg wet	0.0200		100	70-130	0.300	20	
Benzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	7.68	20	
Bromobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	6.14	20	
Bromochloromethane	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130	4.15	20	
Bromodichloromethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	11.7	20	
Bromoform	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130	4.66	20	
Bromomethane	0.0207	0.010	mg/Kg wet	0.0200		104	40-160	3.64	20	†
2-Butanone (MEK)	0.365	0.040	mg/Kg wet	0.400		91.2	40-160	1.86	20	V-16 †
n-Butylbenzene	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130	11.7	20	
sec-Butylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113	70-130	9.44	20	
tert-Butylbenzene	0.0398	0.0020	mg/Kg wet	0.0200		199	* 70-130	5.00	20	L-02
tert-Butyl Ethyl Ether (TBEE)	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	3.22	20	
Carbon Disulfide	0.255	0.0060	mg/Kg wet	0.200		128	70-130	9.24	20	
Carbon Tetrachloride	0.0212	0.0040	mg/Kg wet	0.0200		106	70-130	10.5	20	
Chlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130	10.5	20	
Chlorodibromomethane	0.0197	0.0040	mg/Kg wet	0.0200		98.4	70-130	3.52	20	
Chloroethane	0.0201	0.010	mg/Kg wet	0.0200		100	70-130	8.51	20	
Chloroform	0.0232	0.0040	mg/Kg wet	0.0200		116	70-130	7.41	20	
Chloromethane	0.0208	0.010	mg/Kg wet	0.0200		104	40-160	6.45	20	†
2-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	12.4	20	
4-Chlorotoluene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130	11.4	20	
1,2-Dibromo-3-chloropropane (DBCP)	0.0249	0.0020	mg/Kg wet	0.0200		124	70-130	4.02	20	
1,2-Dibromoethane (EDB)	0.0183	0.0010	mg/Kg wet	0.0200		91.7	70-130	1.30	20	
Dibromomethane	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130	1.05	20	
1,2-Dichlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130	7.59	20	
1,3-Dichlorobenzene	0.0231	0.0020	mg/Kg wet	0.0200		115	70-130	10.8	20	
1,4-Dichlorobenzene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	7.63	20	
Dichlorodifluoromethane (Freon 12)	0.0209	0.010	mg/Kg wet	0.0200		104	40-160	9.22	20	†
1,1-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		98.0	70-130	8.18	20	
1,2-Dichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130	3.37	20	
1,1-Dichloroethylene	0.0215	0.0040	mg/Kg wet	0.0200		108	70-130	9.33	20	
cis-1,2-Dichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	5.26	20	
trans-1,2-Dichloroethylene	0.0233	0.0020	mg/Kg wet	0.0200		117	70-130	8.39	20	
1,2-Dichloropropane	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130	11.3	20	
1,3-Dichloropropane	0.0188	0.0010	mg/Kg wet	0.0200		94.0	70-130	5.35	20	
2,2-Dichloropropane	0.0243	0.0020	mg/Kg wet	0.0200		122	70-130	8.32	20	
1,1-Dichloropropene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	8.34	20	
cis-1,3-Dichloropropene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	6.86	20	
trans-1,3-Dichloropropene	0.0210	0.0040	mg/Kg wet	0.0200		105	70-130	4.38	20	
Diethyl Ether	0.208	0.010	mg/Kg wet	0.200		104	70-130	2.00	20	
Diisopropyl Ether (DIPE)	0.0183	0.0020	mg/Kg wet	0.0200		91.5	70-130	1.10	20	
1,4-Dioxane	0.229	0.20	mg/Kg wet	0.200		114	40-160	14.1	20	V-16 †
Ethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	10.6	20	
Hexachlorobutadiene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	11.2	20	
2-Hexanone (MBK)	0.331	0.020	mg/Kg wet	0.400		82.8	40-160	3.99	20	†
Isopropylbenzene (Cumene)	0.0241	0.0040	mg/Kg wet	0.0200		120	70-130	11.0	20	
p-Isopropyltoluene (p-Cymene)	0.0232	0.0020	mg/Kg wet	0.0200		116	70-130	12.0	20	
Methyl tert-Butyl Ether (MTBE)	0.226	0.0040	mg/Kg wet	0.220		103	70-130	0.406	20	
Methylene Chloride	0.0174	0.010	mg/Kg wet	0.0200		87.2	70-130	4.15	20	
4-Methyl-2-pentanone (MIBK)	0.251	0.020	mg/Kg wet	0.400		62.8	40-160	4.49	20	L-14 †
Naphthalene	0.0178	0.010	mg/Kg wet	0.0200		89.0	70-130	4.83	20	V-05

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023510 - SW-846 5035
LCS Dup (B023510-BSD1)

Prepared & Analyzed: 12/10/10

n-Propylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113	70-130	13.9	20	
Styrene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	11.2	20	
1,1,1,2-Tetrachloroethane	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130	7.64	20	
1,1,2,2-Tetrachloroethane	0.0173	0.0010	mg/Kg wet	0.0200		86.5	70-130	0.116	20	
Tetrachloroethylene	0.0885	0.0020	mg/Kg wet	0.100		88.5	70-130	17.7	20	
Tetrahydrofuran	0.195	0.010	mg/Kg wet	0.200		97.6	70-130	7.99	20	V-16
Toluene	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130	8.80	20	
1,2,3-Trichlorobenzene	0.0177	0.010	mg/Kg wet	0.0200		88.4	70-130	8.49	20	V-05
1,2,4-Trichlorobenzene	0.0180	0.010	mg/Kg wet	0.0200		90.2	70-130	6.29	20	V-05
1,1,1-Trichloroethane	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130	11.8	20	
1,1,2-Trichloroethane	0.0182	0.0020	mg/Kg wet	0.0200		90.9	70-130	0.549	20	
Trichloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	12.5	20	
Trichlorofluoromethane (Freon 11)	0.0228	0.010	mg/Kg wet	0.0200		114	70-130	6.43	20	
1,2,3-Trichloropropane	0.0616	0.0020	mg/Kg wet	0.0200		308	* 70-130	4.86	20	L-02
1,2,4-Trimethylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130	10.4	20	
1,3,5-Trimethylbenzene	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	12.4	20	
Vinyl Chloride	0.0211	0.010	mg/Kg wet	0.0200		106	70-130	7.06	20	
m+p Xylene	0.0420	0.0040	mg/Kg wet	0.0400		105	70-130	8.54	20	
o-Xylene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	11.1	20	
Surrogate: 1,2-Dichloroethane-d4	0.0478		mg/Kg wet	0.0500		95.5	70-130			
Surrogate: Toluene-d8	0.0483		mg/Kg wet	0.0500		96.6	70-130			
Surrogate: 4-Bromofluorobenzene	0.0505		mg/Kg wet	0.0500		101	70-130			

Batch B023643 - SW-846 5035
Blank (B023643-BLK1)

Prepared & Analyzed: 12/14/10

Acetone	ND	2.5	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							V-05
Benzene	ND	0.051	mg/Kg wet							
Bromobenzene	ND	0.051	mg/Kg wet							
Bromochloromethane	ND	0.051	mg/Kg wet							
Bromodichloromethane	ND	0.051	mg/Kg wet							V-05
Bromoform	ND	0.051	mg/Kg wet							V-05
Bromomethane	ND	0.51	mg/Kg wet							V-05
2-Butanone (MEK)	ND	1.0	mg/Kg wet							R-05
n-Butylbenzene	ND	0.051	mg/Kg wet							
sec-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							V-05
Carbon Disulfide	ND	0.51	mg/Kg wet							
Carbon Tetrachloride	ND	0.051	mg/Kg wet							V-05
Chlorobenzene	ND	0.051	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							V-05
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.051	mg/Kg wet							
4-Chlorotoluene	ND	0.051	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							R-05, V-05
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.051	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet							

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023643 - SW-846 5035										
Blank (B023643-BLK1)				Prepared & Analyzed: 12/14/10						
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.051	mg/Kg wet							
1,2-Dichloroethane	ND	0.051	mg/Kg wet							
1,1-Dichloroethylene	ND	0.051	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
1,2-Dichloropropane	ND	0.051	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.051	mg/Kg wet							L-04, V-05
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							V-05
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.10	mg/Kg wet							
1,4-Dioxane	ND	10	mg/Kg wet							R-05
Ethylbenzene	ND	0.051	mg/Kg wet							
Hexachlorobutadiene	ND	0.051	mg/Kg wet							
2-Hexanone (MBK)	ND	0.51	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
n-Propylbenzene	ND	0.051	mg/Kg wet							
Styrene	ND	0.051	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.051	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							
Tetrachloroethylene	ND	0.051	mg/Kg wet							R-05
Tetrahydrofuran	ND	0.51	mg/Kg wet							
Toluene	ND	0.051	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet							
Trichloroethylene	ND	0.051	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet							
Vinyl Chloride	ND	0.10	mg/Kg wet							
m+p Xylene	ND	0.10	mg/Kg wet							
o-Xylene	ND	0.051	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	1.05		mg/Kg wet	1.33		78.9	70-130			
Surrogate: Toluene-d8	1.14		mg/Kg wet	1.33		85.7	70-130			
Surrogate: 4-Bromofluorobenzene	1.12		mg/Kg wet	1.33		83.9	70-130			

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023643 - SW-846 5035										
LCS (B023643-BS1)				Prepared & Analyzed: 12/14/10						
Acetone	48.7	11	mg/Kg wet	45.3		108	40-160			†
tert-Amyl Methyl Ether (TAME)	1.75	0.11	mg/Kg wet	2.27		77.0	70-130			V-05
Benzene	1.97	0.23	mg/Kg wet	2.27		86.7	70-130			
Bromobenzene	1.81	0.23	mg/Kg wet	2.27		80.0	70-130			
Bromochloromethane	2.07	0.23	mg/Kg wet	2.27		91.2	70-130			
Bromodichloromethane	1.75	0.23	mg/Kg wet	2.27		77.4	70-130			V-05
Bromoform	1.61	0.23	mg/Kg wet	2.27		70.9	70-130			V-05
Bromomethane	1.36	2.3	mg/Kg wet	2.27		60.0	40-160			L-14, V-05 †
2-Butanone (MEK)	25.0	4.5	mg/Kg wet	45.3		55.1	40-160			L-14, R-05 †
n-Butylbenzene	1.91	0.23	mg/Kg wet	2.27		84.3	70-130			
sec-Butylbenzene	1.95	0.23	mg/Kg wet	2.27		86.0	70-130			
tert-Butylbenzene	3.75	0.23	mg/Kg wet	2.27		165 *	70-130			L-06
tert-Butyl Ethyl Ether (TBEE)	1.63	0.11	mg/Kg wet	2.27		71.9	70-130			V-05
Carbon Disulfide	28.2	2.3	mg/Kg wet	22.7		124	70-130			
Carbon Tetrachloride	1.68	0.23	mg/Kg wet	2.27		74.2	70-130			V-05
Chlorobenzene	1.99	0.23	mg/Kg wet	2.27		87.7	70-130			
Chlorodibromomethane	1.86	0.11	mg/Kg wet	2.27		82.1	70-130			V-05
Chloroethane	2.52	0.45	mg/Kg wet	2.27		111	70-130			
Chloroform	2.01	0.45	mg/Kg wet	2.27		88.8	70-130			
Chloromethane	1.99	0.45	mg/Kg wet	2.27		88.0	40-160			†
2-Chlorotoluene	1.94	0.23	mg/Kg wet	2.27		85.4	70-130			
4-Chlorotoluene	1.97	0.23	mg/Kg wet	2.27		87.0	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	1.53	1.1	mg/Kg wet	2.27		67.6 *	70-130			L-07A, R-05, V-05
1,2-Dibromoethane (EDB)	1.92	0.11	mg/Kg wet	2.27		84.8	70-130			
Dibromomethane	1.94	0.23	mg/Kg wet	2.27		85.5	70-130			
1,2-Dichlorobenzene	1.95	0.23	mg/Kg wet	2.27		86.2	70-130			
1,3-Dichlorobenzene	2.00	0.23	mg/Kg wet	2.27		88.2	70-130			
1,4-Dichlorobenzene	1.98	0.23	mg/Kg wet	2.27		87.3	70-130			
Dichlorodifluoromethane (Freon 12)	1.67	0.45	mg/Kg wet	2.27		73.5	40-160			V-05 †
1,1-Dichloroethane	2.37	0.23	mg/Kg wet	2.27		105	70-130			
1,2-Dichloroethane	1.94	0.23	mg/Kg wet	2.27		85.7	70-130			
1,1-Dichloroethylene	2.58	0.23	mg/Kg wet	2.27		114	70-130			
cis-1,2-Dichloroethylene	1.82	0.23	mg/Kg wet	2.27		80.2	70-130			
trans-1,2-Dichloroethylene	2.83	0.23	mg/Kg wet	2.27		125	70-130			
1,2-Dichloropropane	1.94	0.23	mg/Kg wet	2.27		85.5	70-130			
1,3-Dichloropropane	1.96	0.11	mg/Kg wet	2.27		86.6	70-130			
2,2-Dichloropropane	1.45	0.23	mg/Kg wet	2.27		63.9 *	70-130			L-04, V-05
1,1-Dichloropropene	2.02	0.45	mg/Kg wet	2.27		89.1	70-130			
cis-1,3-Dichloropropene	1.83	0.11	mg/Kg wet	2.27		80.7	70-130			
trans-1,3-Dichloropropene	1.82	0.11	mg/Kg wet	2.27		80.2	70-130			V-05
Diethyl Ether	28.0	0.45	mg/Kg wet	22.7		124	70-130			
Diisopropyl Ether (DIPE)	2.45	0.45	mg/Kg wet	2.27		108	70-130			
1,4-Dioxane	22.1	45	mg/Kg wet	22.7		97.7	40-160			R-05 †
Ethylbenzene	1.99	0.23	mg/Kg wet	2.27		87.6	70-130			
Hexachlorobutadiene	2.11	0.23	mg/Kg wet	2.27		93.0	70-130			
2-Hexanone (MBK)	26.5	2.3	mg/Kg wet	45.3		58.4	40-160			L-14 †
Isopropylbenzene (Cumene)	2.28	0.23	mg/Kg wet	2.27		101	70-130			
p-Isopropyltoluene (p-Cymene)	1.98	0.23	mg/Kg wet	2.27		87.3	70-130			
Methyl tert-Butyl Ether (MTBE)	26.1	0.23	mg/Kg wet	24.9		105	70-130			
Methylene Chloride	2.46	1.1	mg/Kg wet	2.27		109	70-130			
4-Methyl-2-pentanone (MIBK)	26.1	2.3	mg/Kg wet	45.3		57.5	40-160			L-14 †
Naphthalene	1.70	0.45	mg/Kg wet	2.27		74.8	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023643 - SW-846 5035										
LCS (B023643-BS1)										
Prepared & Analyzed: 12/14/10										
n-Propylbenzene	2.06	0.23	mg/Kg wet	2.27		90.8	70-130			
Styrene	1.89	0.23	mg/Kg wet	2.27		83.5	70-130			
1,1,1,2-Tetrachloroethane	1.79	0.23	mg/Kg wet	2.27		78.9	70-130			
1,1,2,2-Tetrachloroethane	1.76	0.11	mg/Kg wet	2.27		77.6	70-130			
Tetrachloroethylene	12.5	0.23	mg/Kg wet	11.3		110	70-130			R-05
Tetrahydrofuran	17.8	2.3	mg/Kg wet	22.7		78.5	70-130			
Toluene	2.03	0.23	mg/Kg wet	2.27		89.5	70-130			
1,2,3-Trichlorobenzene	2.01	1.1	mg/Kg wet	2.27		88.5	70-130			
1,2,4-Trichlorobenzene	2.06	0.23	mg/Kg wet	2.27		90.9	70-130			
1,1,1-Trichloroethane	1.70	0.23	mg/Kg wet	2.27		75.0	70-130			
1,1,2-Trichloroethane	1.90	0.23	mg/Kg wet	2.27		84.0	70-130			
Trichloroethylene	1.98	0.23	mg/Kg wet	2.27		87.4	70-130			
Trichlorofluoromethane (Freon 11)	2.65	0.45	mg/Kg wet	2.27		117	70-130			V-20
1,2,3-Trichloropropane	1.82	0.45	mg/Kg wet	2.27		80.5	70-130			
1,2,4-Trimethylbenzene	1.84	0.23	mg/Kg wet	2.27		81.2	70-130			
1,3,5-Trimethylbenzene	1.97	0.23	mg/Kg wet	2.27		86.8	70-130			
Vinyl Chloride	2.55	0.45	mg/Kg wet	2.27		113	70-130			
m+p Xylene	3.99	0.45	mg/Kg wet	4.53		88.0	70-130			
o-Xylene	1.93	0.23	mg/Kg wet	2.27		85.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	5.23		mg/Kg wet	5.33		98.1	70-130			
Surrogate: Toluene-d8	5.88		mg/Kg wet	5.33		110	70-130			
Surrogate: 4-Bromofluorobenzene	5.53		mg/Kg wet	5.33		104	70-130			
LCS Dup (B023643-BSD1)										
Prepared & Analyzed: 12/14/10										
Acetone	58.0	11	mg/Kg wet	45.3		128	40-160	17.3	20	†
tert-Amyl Methyl Ether (TAME)	1.95	0.11	mg/Kg wet	2.27		86.0	70-130	11.0	20	V-05
Benzene	2.11	0.23	mg/Kg wet	2.27		93.2	70-130	7.23	20	
Bromobenzene	2.05	0.23	mg/Kg wet	2.27		90.5	70-130	12.3	20	
Bromochloromethane	2.28	0.23	mg/Kg wet	2.27		101	70-130	9.90	20	
Bromodichloromethane	1.95	0.23	mg/Kg wet	2.27		86.0	70-130	10.5	20	V-05
Bromoform	1.93	0.23	mg/Kg wet	2.27		85.0	70-130	18.1	20	V-05
Bromomethane	1.56	2.3	mg/Kg wet	2.27		68.7	40-160	13.5	20	L-14, V-05 †
2-Butanone (MEK)	30.9	4.5	mg/Kg wet	45.3		68.2	40-160	21.4 *	20	L-14, R-05 †
n-Butylbenzene	2.06	0.23	mg/Kg wet	2.27		90.8	70-130	7.42	20	
sec-Butylbenzene	2.10	0.23	mg/Kg wet	2.27		92.7	70-130	7.50	20	
tert-Butylbenzene	3.60	0.23	mg/Kg wet	2.27		159 *	70-130	4.07	20	L-06
tert-Butyl Ethyl Ether (TBEE)	1.80	0.11	mg/Kg wet	2.27		79.4	70-130	9.91	20	V-05
Carbon Disulfide	29.5	2.3	mg/Kg wet	22.7		130	70-130	4.80	20	
Carbon Tetrachloride	1.78	0.23	mg/Kg wet	2.27		78.5	70-130	5.63	20	V-05
Chlorobenzene	2.23	0.23	mg/Kg wet	2.27		98.5	70-130	11.6	20	
Chlorodibromomethane	2.04	0.11	mg/Kg wet	2.27		89.8	70-130	8.96	20	V-05
Chloroethane	2.70	0.45	mg/Kg wet	2.27		119	70-130	6.96	20	
Chloroform	2.26	0.45	mg/Kg wet	2.27		99.5	70-130	11.4	20	
Chloromethane	2.19	0.45	mg/Kg wet	2.27		96.4	40-160	9.11	20	†
2-Chlorotoluene	2.14	0.23	mg/Kg wet	2.27		94.2	70-130	9.80	20	
4-Chlorotoluene	2.22	0.23	mg/Kg wet	2.27		97.9	70-130	11.8	20	
1,2-Dibromo-3-chloropropane (DBCP)	1.92	1.1	mg/Kg wet	2.27		84.7	70-130	22.5 *	20	R-05, V-05
1,2-Dibromoethane (EDB)	2.17	0.11	mg/Kg wet	2.27		95.8	70-130	12.2	20	
Dibromomethane	2.14	0.23	mg/Kg wet	2.27		94.3	70-130	9.79	20	
1,2-Dichlorobenzene	2.16	0.23	mg/Kg wet	2.27		95.3	70-130	10.0	20	
1,3-Dichlorobenzene	2.17	0.23	mg/Kg wet	2.27		95.7	70-130	8.16	20	
1,4-Dichlorobenzene	2.16	0.23	mg/Kg wet	2.27		95.5	70-130	8.97	20	

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023643 - SW-846 5035										
LCS Dup (B023643-BSD1)				Prepared & Analyzed: 12/14/10						
Dichlorodifluoromethane (Freon 12)	1.78	0.45	mg/Kg wet	2.27		78.5	40-160	6.58	20	V-05 †
1,1-Dichloroethane	2.55	0.23	mg/Kg wet	2.27		113	70-130	7.27	20	
1,2-Dichloroethane	2.17	0.23	mg/Kg wet	2.27		95.7	70-130	11.0	20	
1,1-Dichloroethylene	2.70	0.23	mg/Kg wet	2.27		119	70-130	4.29	20	
cis-1,2-Dichloroethylene	1.96	0.23	mg/Kg wet	2.27		86.3	70-130	7.33	20	
trans-1,2-Dichloroethylene	2.95	0.23	mg/Kg wet	2.27		130	70-130	4.15	20	
1,2-Dichloropropane	2.13	0.23	mg/Kg wet	2.27		94.1	70-130	9.58	20	
1,3-Dichloropropane	2.20	0.11	mg/Kg wet	2.27		96.9	70-130	11.2	20	
2,2-Dichloropropane	1.55	0.23	mg/Kg wet	2.27		68.5 *	70-130	6.95	20	L-04, V-05
1,1-Dichloropropene	2.04	0.45	mg/Kg wet	2.27		90.2	70-130	1.23	20	
cis-1,3-Dichloropropene	2.04	0.11	mg/Kg wet	2.27		90.0	70-130	10.9	20	
trans-1,3-Dichloropropene	2.10	0.11	mg/Kg wet	2.27		92.5	70-130	14.2	20	V-05
Diethyl Ether	30.4	0.45	mg/Kg wet	22.7		134 *	70-130	8.34	20	L-07
Diisopropyl Ether (DIPE)	2.58	0.45	mg/Kg wet	2.27		114	70-130	5.31	20	
1,4-Dioxane	31.5	45	mg/Kg wet	22.7		139	40-160	35.0 *	20	L-14, R-05 †
Ethylbenzene	2.18	0.23	mg/Kg wet	2.27		96.3	70-130	9.46	20	
Hexachlorobutadiene	2.25	0.23	mg/Kg wet	2.27		99.3	70-130	6.55	20	
2-Hexanone (MBK)	31.3	2.3	mg/Kg wet	45.3		69.1	40-160	16.8	20	L-14 †
Isopropylbenzene (Cumene)	2.50	0.23	mg/Kg wet	2.27		110	70-130	8.92	20	
p-Isopropyltoluene (p-Cymene)	2.11	0.23	mg/Kg wet	2.27		93.1	70-130	6.43	20	
Methyl tert-Butyl Ether (MTBE)	29.2	0.23	mg/Kg wet	24.9		117	70-130	11.2	20	
Methylene Chloride	2.61	1.1	mg/Kg wet	2.27		115	70-130	5.81	20	
4-Methyl-2-pentanone (MIBK)	30.9	2.3	mg/Kg wet	45.3		68.1	40-160	16.9	20	L-14 †
Naphthalene	1.97	0.45	mg/Kg wet	2.27		87.1	70-130	15.2	20	
n-Propylbenzene	2.24	0.23	mg/Kg wet	2.27		98.9	70-130	8.54	20	
Styrene	2.18	0.23	mg/Kg wet	2.27		96.1	70-130	14.0	20	
1,1,1,2-Tetrachloroethane	1.99	0.23	mg/Kg wet	2.27		87.7	70-130	10.6	20	
1,1,2,2-Tetrachloroethane	2.04	0.11	mg/Kg wet	2.27		89.9	70-130	14.7	20	
Tetrachloroethylene	16.6	0.23	mg/Kg wet	11.3		146 *	70-130	28.0 *	20	L-07A, R-05
Tetrahydrofuran	21.5	2.3	mg/Kg wet	22.7		94.8	70-130	18.9	20	
Toluene	2.23	0.23	mg/Kg wet	2.27		98.2	70-130	9.27	20	
1,2,3-Trichlorobenzene	2.31	1.1	mg/Kg wet	2.27		102	70-130	14.1	20	
1,2,4-Trichlorobenzene	2.33	0.23	mg/Kg wet	2.27		103	70-130	12.3	20	
1,1,1-Trichloroethane	1.87	0.23	mg/Kg wet	2.27		82.3	70-130	9.28	20	
1,1,2-Trichloroethane	2.23	0.23	mg/Kg wet	2.27		98.5	70-130	15.9	20	
Trichloroethylene	2.16	0.23	mg/Kg wet	2.27		95.1	70-130	8.44	20	
Trichlorofluoromethane (Freon 11)	2.76	0.45	mg/Kg wet	2.27		122	70-130	4.11	20	V-20
1,2,3-Trichloropropane	2.18	0.45	mg/Kg wet	2.27		96.0	70-130	17.6	20	
1,2,4-Trimethylbenzene	2.02	0.23	mg/Kg wet	2.27		88.9	70-130	9.05	20	
1,3,5-Trimethylbenzene	2.18	0.23	mg/Kg wet	2.27		96.3	70-130	10.4	20	
Vinyl Chloride	2.76	0.45	mg/Kg wet	2.27		122	70-130	7.76	20	
m+p Xylene	4.46	0.45	mg/Kg wet	4.53		98.4	70-130	11.1	20	
o-Xylene	2.16	0.23	mg/Kg wet	2.27		95.4	70-130	11.3	20	
Surrogate: 1,2-Dichloroethane-d4	5.22		mg/Kg wet	5.33		97.9	70-130			
Surrogate: Toluene-d8	5.85		mg/Kg wet	5.33		110	70-130			
Surrogate: 4-Bromofluorobenzene	5.57		mg/Kg wet	5.33		104	70-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023541 - SW-846 3546
Blank (B023541-BLK1)

Prepared: 12/13/10 Analyzed: 12/14/10

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							L-04, V-04, V-05
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-05
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023541 - SW-846 3546										
Blank (B023541-BLK1)				Prepared: 12/13/10 Analyzed: 12/14/10						
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	6.02		mg/Kg wet	6.67		90.2	30-130			
Surrogate: Phenol-d6	5.92		mg/Kg wet	6.67		88.8	30-130			
Surrogate: Nitrobenzene-d5	2.50		mg/Kg wet	3.33		75.0	30-130			
Surrogate: 2-Fluorobiphenyl	2.77		mg/Kg wet	3.33		83.2	30-130			
Surrogate: 2,4,6-Tribromophenol	5.74		mg/Kg wet	6.67		86.1	30-130			
Surrogate: Terphenyl-d14	2.40		mg/Kg wet	3.33		72.0	30-130			
LCS (B023541-BS1)				Prepared: 12/13/10 Analyzed: 12/14/10						
Acenaphthene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140			
Acenaphthylene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140			
Acetophenone	0.652	0.34	mg/Kg wet	0.833		78.2	40-140			
Aniline	0.812	0.34	mg/Kg wet	1.67		48.7	40-140			
Anthracene	1.22	0.17	mg/Kg wet	1.67		73.2	40-140			
Benzo(a)anthracene	1.29	0.17	mg/Kg wet	1.67		77.5	40-140			
Benzo(a)pyrene	1.29	0.17	mg/Kg wet	1.67		77.3	40-140			
Benzo(b)fluoranthene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140			
Benzo(g,h,i)perylene	1.39	0.17	mg/Kg wet	1.67		83.4	40-140			
Benzo(k)fluoranthene	1.22	0.17	mg/Kg wet	1.67		73.5	40-140			
Bis(2-chloroethoxy)methane	1.36	0.34	mg/Kg wet	1.67		81.9	40-140			
Bis(2-chloroethyl)ether	1.36	0.34	mg/Kg wet	1.67		81.5	40-140			
Bis(2-chloroisopropyl)ether	0.594	0.34	mg/Kg wet	1.67		35.6	* 40-140			L-04, V-04, V-05
Bis(2-Ethylhexyl)phthalate	1.69	0.34	mg/Kg wet	1.67		101	40-140			
4-Bromophenylphenylether	1.49	0.34	mg/Kg wet	1.67		89.3	40-140			
Butylbenzylphthalate	1.66	0.66	mg/Kg wet	1.67		99.9	40-140			
4-Chloroaniline	0.631	0.66	mg/Kg wet	1.67		37.8	15-140			†
2-Chloronaphthalene	1.22	0.34	mg/Kg wet	1.67		73.4	40-140			
2-Chlorophenol	1.41	0.34	mg/Kg wet	1.67		84.7	30-130			
Chrysene	1.25	0.17	mg/Kg wet	1.67		75.0	40-140			
Dibenz(a,h)anthracene	1.59	0.17	mg/Kg wet	1.67		95.5	40-140			
Dibenzofuran	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
Di-n-butylphthalate	1.69	0.34	mg/Kg wet	1.67		102	40-140			
1,2-Dichlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.5	40-140			
1,3-Dichlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.6	40-140			
1,4-Dichlorobenzene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
3,3-Dichlorobenzidine	0.998	0.17	mg/Kg wet	1.67		59.9	40-140			
2,4-Dichlorophenol	1.48	0.34	mg/Kg wet	1.67		88.6	30-130			
Diethylphthalate	1.58	0.34	mg/Kg wet	1.67		94.9	40-140			
2,4-Dimethylphenol	1.37	0.34	mg/Kg wet	1.67		82.4	30-130			
Dimethylphthalate	1.53	0.66	mg/Kg wet	1.67		91.6	40-140			
2,4-Dinitrophenol	1.05	0.66	mg/Kg wet	1.67		63.1	15-140			V-04, V-05 †
2,4-Dinitrotoluene	1.53	0.34	mg/Kg wet	1.67		91.9	40-140			
2,6-Dinitrotoluene	1.54	0.34	mg/Kg wet	1.67		92.5	40-140			
Di-n-octylphthalate	1.62	0.66	mg/Kg wet	1.67		97.0	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.26	0.34	mg/Kg wet	1.67		75.3	40-140			
Fluoranthene	1.42	0.17	mg/Kg wet	1.67		85.4	40-140			
Fluorene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140			
Hexachlorobenzene	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023541 - SW-846 3546
LCS (B023541-BS1)

Prepared: 12/13/10 Analyzed: 12/14/10

Hexachlorobutadiene	1.32	0.34	mg/Kg wet	1.67		78.9	40-140			
Hexachloroethane	1.35	0.34	mg/Kg wet	1.67		81.0	40-140			
Indeno(1,2,3-cd)pyrene	1.59	0.17	mg/Kg wet	1.67		95.1	40-140			
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.7	40-140			
2-Methylnaphthalene	1.22	0.17	mg/Kg wet	1.67		73.5	40-140			
2-Methylphenol	1.43	0.34	mg/Kg wet	1.67		85.9	30-130			
3/4-Methylphenol	1.39	0.34	mg/Kg wet	1.67		83.3	30-130			
Naphthalene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140			
Nitrobenzene	1.24	0.34	mg/Kg wet	1.67		74.6	40-140			
2-Nitrophenol	1.42	0.34	mg/Kg wet	1.67		85.2	30-130			
4-Nitrophenol	1.40	0.66	mg/Kg wet	1.67		84.2	15-140			†
Pentachlorophenol	0.750	0.34	mg/Kg wet	1.67		45.0	30-130			
Phenanthrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Phenol	1.42	0.34	mg/Kg wet	1.67		84.9	15-140			†
Pyrene	1.20	0.17	mg/Kg wet	1.67		72.1	40-140			
1,2,4-Trichlorobenzene	1.46	0.34	mg/Kg wet	1.67		87.6	40-140			
2,4,5-Trichlorophenol	1.45	0.34	mg/Kg wet	1.67		87.0	30-130			
2,4,6-Trichlorophenol	1.42	0.34	mg/Kg wet	1.67		85.0	30-130			
Surrogate: 2-Fluorophenol	5.37		mg/Kg wet	6.67		80.5	30-130			
Surrogate: Phenol-d6	5.41		mg/Kg wet	6.67		81.2	30-130			
Surrogate: Nitrobenzene-d5	2.44		mg/Kg wet	3.33		73.1	30-130			
Surrogate: 2-Fluorobiphenyl	2.73		mg/Kg wet	3.33		82.0	30-130			
Surrogate: 2,4,6-Tribromophenol	6.93		mg/Kg wet	6.67		104	30-130			
Surrogate: Terphenyl-d14	3.07		mg/Kg wet	3.33		92.0	30-130			

LCS Dup (B023541-BS1)

Prepared: 12/13/10 Analyzed: 12/14/10

Acenaphthene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140	2.25	30	
Acenaphthylene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	1.82	30	
Acetophenone	0.627	0.34	mg/Kg wet	0.833		75.2	40-140	3.91	30	
Aniline	0.790	0.34	mg/Kg wet	1.67		47.4	40-140	2.75	30	
Anthracene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140	3.23	30	
Benzo(a)anthracene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140	0.617	30	
Benzo(a)pyrene	1.30	0.17	mg/Kg wet	1.67		77.9	40-140	0.747	30	
Benzo(b)fluoranthene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	3.41	30	
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67		89.1	40-140	6.56	30	
Benzo(k)fluoranthene	1.25	0.17	mg/Kg wet	1.67		74.9	40-140	1.94	30	
Bis(2-chloroethoxy)methane	1.38	0.34	mg/Kg wet	1.67		82.7	40-140	0.996	30	
Bis(2-chloroethyl)ether	1.35	0.34	mg/Kg wet	1.67		81.0	40-140	0.591	30	
Bis(2-chloroisopropyl)ether	0.592	0.34	mg/Kg wet	1.67		35.5	* 40-140	0.281	30	L-04, V-04, V-05
Bis(2-Ethylhexyl)phthalate	1.68	0.34	mg/Kg wet	1.67		101	40-140	0.178	30	
4-Bromophenylphenylether	1.50	0.34	mg/Kg wet	1.67		89.8	40-140	0.514	30	
Butylbenzylphthalate	1.71	0.66	mg/Kg wet	1.67		103	40-140	2.67	30	
4-Chloroaniline	0.586	0.66	mg/Kg wet	1.67		35.2	15-140	7.29	30	†
2-Chloronaphthalene	1.25	0.34	mg/Kg wet	1.67		75.3	40-140	2.45	30	
2-Chlorophenol	1.42	0.34	mg/Kg wet	1.67		85.0	30-130	0.377	30	
Chrysene	1.26	0.17	mg/Kg wet	1.67		75.9	40-140	1.09	30	
Dibenz(a,h)anthracene	1.64	0.17	mg/Kg wet	1.67		98.4	40-140	3.01	30	
Dibenzofuran	1.46	0.34	mg/Kg wet	1.67		87.9	40-140	1.77	30	
Di-n-butylphthalate	1.67	0.34	mg/Kg wet	1.67		100	40-140	1.39	30	
1,2-Dichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.4	40-140	1.17	30	
1,3-Dichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.7	40-140	2.64	30	
1,4-Dichlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.7	40-140	2.13	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023541 - SW-846 3546
LCS Dup (B023541-BSD1)

Prepared: 12/13/10 Analyzed: 12/14/10

3,3-Dichlorobenzidine	0.957	0.17	mg/Kg wet	1.67		57.4	40-140	4.23	30	
2,4-Dichlorophenol	1.46	0.34	mg/Kg wet	1.67		87.3	30-130	1.41	30	
Diethylphthalate	1.54	0.34	mg/Kg wet	1.67		92.1	40-140	3.04	30	
2,4-Dimethylphenol	1.38	0.34	mg/Kg wet	1.67		82.6	30-130	0.218	30	
Dimethylphthalate	1.50	0.66	mg/Kg wet	1.67		90.1	40-140	1.67	30	
2,4-Dinitrophenol	1.06	0.66	mg/Kg wet	1.67		63.5	15-140	0.632	30	V-04, V-05 †
2,4-Dinitrotoluene	1.55	0.34	mg/Kg wet	1.67		92.9	40-140	1.02	30	
2,6-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.2	40-140	1.41	30	
Di-n-octylphthalate	1.68	0.66	mg/Kg wet	1.67		101	40-140	3.82	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	2.18	30	
Fluoranthene	1.42	0.17	mg/Kg wet	1.67		84.9	40-140	0.564	30	
Fluorene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140	2.27	30	
Hexachlorobenzene	1.52	0.34	mg/Kg wet	1.67		91.1	40-140	1.88	30	
Hexachlorobutadiene	1.39	0.34	mg/Kg wet	1.67		83.6	40-140	5.78	30	
Hexachloroethane	1.36	0.34	mg/Kg wet	1.67		81.4	40-140	0.468	30	
Indeno(1,2,3-cd)pyrene	1.68	0.17	mg/Kg wet	1.67		101	40-140	5.70	30	
Isophorone	1.27	0.34	mg/Kg wet	1.67		76.3	40-140	0.549	30	
2-Methylnaphthalene	1.19	0.17	mg/Kg wet	1.67		71.7	40-140	2.48	30	
2-Methylphenol	1.38	0.34	mg/Kg wet	1.67		82.7	30-130	3.84	30	
3/4-Methylphenol	1.29	0.34	mg/Kg wet	1.67		77.2	30-130	7.63	30	
Naphthalene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140	2.40	30	
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140	3.89	30	
2-Nitrophenol	1.47	0.34	mg/Kg wet	1.67		87.9	30-130	3.14	30	
4-Nitrophenol	1.38	0.66	mg/Kg wet	1.67		82.9	15-140	1.56	30	†
Pentachlorophenol	0.745	0.34	mg/Kg wet	1.67		44.7	30-130	0.714	30	
Phenanthrene	1.24	0.17	mg/Kg wet	1.67		74.2	40-140	2.71	30	
Phenol	1.38	0.34	mg/Kg wet	1.67		82.8	15-140	2.50	30	†
Pyrene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	11.6	30	
1,2,4-Trichlorobenzene	1.50	0.34	mg/Kg wet	1.67		90.2	40-140	2.90	30	
2,4,5-Trichlorophenol	1.48	0.34	mg/Kg wet	1.67		88.8	30-130	2.00	30	
2,4,6-Trichlorophenol	1.45	0.34	mg/Kg wet	1.67		87.2	30-130	2.56	30	
Surrogate: 2-Fluorophenol	5.51		mg/Kg wet	6.67		82.6	30-130			
Surrogate: Phenol-d6	5.13		mg/Kg wet	6.67		77.0	30-130			
Surrogate: Nitrobenzene-d5	2.59		mg/Kg wet	3.33		77.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.74		mg/Kg wet	3.33		82.2	30-130			
Surrogate: 2,4,6-Tribromophenol	6.85		mg/Kg wet	6.67		103	30-130			
Surrogate: Terphenyl-d14	3.28		mg/Kg wet	3.33		98.4	30-130			

Batch B023660 - SW-846 3546
Blank (B023660-BLK1)

Prepared: 12/14/10 Analyzed: 12/15/10

Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023660 - SW-846 3546										
Blank (B023660-BLK1)	Prepared: 12/14/10 Analyzed: 12/15/10									
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							V-04, V-05
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-04, V-05
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							V-05
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							V-05
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	4.84		mg/Kg wet	6.67		72.6	30-130			
Surrogate: Phenol-d6	4.49		mg/Kg wet	6.67		67.3	30-130			
Surrogate: Nitrobenzene-d5	2.10		mg/Kg wet	3.33		62.9	30-130			
Surrogate: 2-Fluorobiphenyl	2.46		mg/Kg wet	3.33		73.9	30-130			
Surrogate: 2,4,6-Tribromophenol	5.11		mg/Kg wet	6.67		76.6	30-130			
Surrogate: Terphenyl-d14	3.03		mg/Kg wet	3.33		91.0	30-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023660 - SW-846 3546										
LCS (B023660-BS1)				Prepared: 12/14/10 Analyzed: 12/15/10						
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140			
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Acetophenone	0.492	0.34	mg/Kg wet	0.833		59.0	40-140			
Aniline	0.607	0.34	mg/Kg wet	1.67		36.4	* 40-140			L-07
Anthracene	1.14	0.17	mg/Kg wet	1.67		68.3	40-140			
Benzo(a)anthracene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140			
Benzo(a)pyrene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140			
Benzo(b)fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.0	40-140			
Benzo(g,h,i)perylene	1.26	0.17	mg/Kg wet	1.67		75.8	40-140			V-06
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140			
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.6	40-140			
Bis(2-chloroethyl)ether	1.10	0.34	mg/Kg wet	1.67		66.0	40-140			
Bis(2-chloroisopropyl)ether	0.882	0.34	mg/Kg wet	1.67		52.9	40-140			V-05, V-04
Bis(2-Ethylhexyl)phthalate	1.76	0.34	mg/Kg wet	1.67		106	40-140			
4-Bromophenylphenylether	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
Butylbenzylphthalate	1.60	0.66	mg/Kg wet	1.67		96.0	40-140			
4-Chloroaniline	0.512	0.66	mg/Kg wet	1.67		30.7	15-140			L-15 †
2-Chloronaphthalene	1.14	0.34	mg/Kg wet	1.67		68.2	40-140			
2-Chlorophenol	1.08	0.34	mg/Kg wet	1.67		65.1	30-130			
Chrysene	1.17	0.17	mg/Kg wet	1.67		70.5	40-140			
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.6	40-140			V-06
Dibenzofuran	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
Di-n-butylphthalate	1.46	0.34	mg/Kg wet	1.67		87.3	40-140			
1,2-Dichlorobenzene	1.15	0.34	mg/Kg wet	1.67		69.0	40-140			
1,3-Dichlorobenzene	1.13	0.34	mg/Kg wet	1.67		68.0	40-140			
1,4-Dichlorobenzene	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
3,3-Dichlorobenzidine	1.11	0.17	mg/Kg wet	1.67		66.7	40-140			
2,4-Dichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.2	30-130			
Diethylphthalate	1.26	0.34	mg/Kg wet	1.67		75.8	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		66.9	30-130			
Dimethylphthalate	1.28	0.66	mg/Kg wet	1.67		76.7	40-140			
2,4-Dinitrophenol	0.781	0.66	mg/Kg wet	1.67		46.9	15-140			V-04, V-05 †
2,4-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140			
2,6-Dinitrotoluene	1.41	0.34	mg/Kg wet	1.67		84.4	40-140			
Di-n-octylphthalate	1.65	0.66	mg/Kg wet	1.67		98.9	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.15	0.34	mg/Kg wet	1.67		69.2	40-140			
Fluoranthene	1.18	0.17	mg/Kg wet	1.67		70.7	40-140			
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140			
Hexachlorobenzene	1.22	0.34	mg/Kg wet	1.67		73.3	40-140			
Hexachlorobutadiene	1.36	0.34	mg/Kg wet	1.67		81.4	40-140			
Hexachloroethane	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Indeno(1,2,3-cd)pyrene	1.33	0.17	mg/Kg wet	1.67		79.9	40-140			V-06
Isophorone	1.06	0.34	mg/Kg wet	1.67		63.4	40-140			
2-Methylnaphthalene	1.13	0.17	mg/Kg wet	1.67		67.6	40-140			
2-Methylphenol	0.962	0.34	mg/Kg wet	1.67		57.7	30-130			V-05
3/4-Methylphenol	0.918	0.34	mg/Kg wet	1.67		55.1	30-130			
Naphthalene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140			
Nitrobenzene	1.03	0.34	mg/Kg wet	1.67		61.5	40-140			
2-Nitrophenol	1.39	0.34	mg/Kg wet	1.67		83.5	30-130			
4-Nitrophenol	1.01	0.66	mg/Kg wet	1.67		60.3	15-140			†
Pentachlorophenol	0.770	0.34	mg/Kg wet	1.67		46.2	30-130			V-05
Phenanthrene	1.11	0.17	mg/Kg wet	1.67		66.9	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023660 - SW-846 3546										
LCS (B023660-BS1)				Prepared: 12/14/10 Analyzed: 12/15/10						
Phenol	0.976	0.34	mg/Kg wet	1.67		58.6	15-140			†
Pyrene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
1,2,4-Trichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.2	40-140			
2,4,5-Trichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.0	30-130			
2,4,6-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.4	30-130			
Surrogate: 2-Fluorophenol	4.56		mg/Kg wet	6.67		68.4	30-130			
Surrogate: Phenol-d6	3.91		mg/Kg wet	6.67		58.6	30-130			
Surrogate: Nitrobenzene-d5	2.16		mg/Kg wet	3.33		64.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.66		mg/Kg wet	3.33		80.0	30-130			
Surrogate: 2,4,6-Tribromophenol	5.26		mg/Kg wet	6.67		79.0	30-130			
Surrogate: Terphenyl-d14	3.01		mg/Kg wet	3.33		90.2	30-130			
LCS Dup (B023660-BS1)				Prepared: 12/14/10 Analyzed: 12/15/10						
Acenaphthene	1.05	0.17	mg/Kg wet	1.67		62.7	40-140	2.39	30	
Acenaphthylene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140	0.286	30	
Acetophenone	0.550	0.34	mg/Kg wet	0.833		66.0	40-140	11.3	30	
Aniline	0.693	0.34	mg/Kg wet	1.67		41.6	40-140	13.3	30	
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	4.22	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	0.482	30	
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140	3.30	30	
Benzo(b)fluoranthene	1.08	0.17	mg/Kg wet	1.67		64.9	40-140	1.65	30	
Benzo(g,h,i)perylene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	8.85	30	V-06
Benzo(k)fluoranthene	1.15	0.17	mg/Kg wet	1.67		68.7	40-140	0.696	30	
Bis(2-chloroethoxy)methane	1.18	0.34	mg/Kg wet	1.67		70.9	40-140	0.339	30	
Bis(2-chloroethyl)ether	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	4.15	30	
Bis(2-chloroisopropyl)ether	0.924	0.34	mg/Kg wet	1.67		55.5	40-140	4.69	30	V-04, V-05
Bis(2-Ethylhexyl)phthalate	1.76	0.34	mg/Kg wet	1.67		105	40-140	0.171	30	
4-Bromophenylphenylether	1.32	0.34	mg/Kg wet	1.67		79.0	40-140	1.27	30	
Butylbenzylphthalate	1.61	0.66	mg/Kg wet	1.67		96.8	40-140	0.830	30	
4-Chloroaniline	0.594	0.66	mg/Kg wet	1.67		35.6	15-140	14.8	30	L-15 †
2-Chloronaphthalene	1.10	0.34	mg/Kg wet	1.67		65.8	40-140	3.55	30	
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.67		70.9	30-130	8.62	30	
Chrysene	1.15	0.17	mg/Kg wet	1.67		68.9	40-140	2.30	30	
Dibenz(a,h)anthracene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140	12.6	30	V-06
Dibenzofuran	1.26	0.34	mg/Kg wet	1.67		75.9	40-140	1.18	30	
Di-n-butylphthalate	1.49	0.34	mg/Kg wet	1.67		89.3	40-140	2.17	30	
1,2-Dichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	1.07	30	
1,3-Dichlorobenzene	1.11	0.34	mg/Kg wet	1.67		66.6	40-140	2.05	30	
1,4-Dichlorobenzene	1.13	0.34	mg/Kg wet	1.67		67.5	40-140	1.18	30	
3,3-Dichlorobenzidine	1.07	0.17	mg/Kg wet	1.67		63.9	40-140	4.20	30	
2,4-Dichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.5	30-130	7.43	30	
Diethylphthalate	1.33	0.34	mg/Kg wet	1.67		79.6	40-140	4.94	30	
2,4-Dimethylphenol	1.15	0.34	mg/Kg wet	1.67		68.8	30-130	2.86	30	
Dimethylphthalate	1.33	0.66	mg/Kg wet	1.67		79.5	40-140	3.66	30	
2,4-Dinitrophenol	0.848	0.66	mg/Kg wet	1.67		50.9	15-140	8.27	30	V-04, V-05 †
2,4-Dinitrotoluene	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	1.55	30	
2,6-Dinitrotoluene	1.45	0.34	mg/Kg wet	1.67		87.0	40-140	3.06	30	
Di-n-octylphthalate	1.63	0.66	mg/Kg wet	1.67		98.0	40-140	0.874	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.14	0.34	mg/Kg wet	1.67		68.1	40-140	1.54	30	
Fluoranthene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140	0.929	30	
Fluorene	1.06	0.17	mg/Kg wet	1.67		63.8	40-140	0.409	30	
Hexachlorobenzene	1.20	0.34	mg/Kg wet	1.67		72.3	40-140	1.40	30	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023660 - SW-846 3546										
LCS Dup (B023660-BSD1)					Prepared: 12/14/10 Analyzed: 12/15/10					
Hexachlorobutadiene	1.27	0.34	mg/Kg wet	1.67		76.4	40-140	6.41	30	
Hexachloroethane	1.20	0.34	mg/Kg wet	1.67		72.0	40-140	1.65	30	
Indeno(1,2,3-cd)pyrene	1.25	0.17	mg/Kg wet	1.67		74.9	40-140	6.46	30	V-06
Isophorone	1.12	0.34	mg/Kg wet	1.67		66.9	40-140	5.37	30	
2-Methylnaphthalene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	2.63	30	
2-Methylphenol	1.22	0.34	mg/Kg wet	1.67		73.1	30-130	23.5	30	V-05
3/4-Methylphenol	1.14	0.34	mg/Kg wet	1.67		68.4	30-130	21.5	30	
Naphthalene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140	1.74	30	
Nitrobenzene	1.01	0.34	mg/Kg wet	1.67		60.8	40-140	1.18	30	
2-Nitrophenol	1.37	0.34	mg/Kg wet	1.67		82.4	30-130	1.30	30	
4-Nitrophenol	1.04	0.66	mg/Kg wet	1.67		62.7	15-140	3.87	30	†
Pentachlorophenol	0.723	0.34	mg/Kg wet	1.67		43.4	30-130	6.25	30	V-05
Phenanthrene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	4.12	30	
Phenol	1.12	0.34	mg/Kg wet	1.67		67.3	15-140	13.9	30	†
Pyrene	1.08	0.17	mg/Kg wet	1.67		65.0	40-140	9.88	30	
1,2,4-Trichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.4	40-140	3.58	30	
2,4,5-Trichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130	0.114	30	
2,4,6-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.5	30-130	1.49	30	
Surrogate: 2-Fluorophenol	4.59		mg/Kg wet	6.67		68.8	30-130			
Surrogate: Phenol-d6	4.36		mg/Kg wet	6.67		65.4	30-130			
Surrogate: Nitrobenzene-d5	2.09		mg/Kg wet	3.33		62.8	30-130			
Surrogate: 2-Fluorobiphenyl	2.53		mg/Kg wet	3.33		75.8	30-130			
Surrogate: 2,4,6-Tribromophenol	5.19		mg/Kg wet	6.67		77.9	30-130			
Surrogate: Terphenyl-d14	2.78		mg/Kg wet	3.33		83.3	30-130			
Matrix Spike (B023660-MS1)					Source: 10L0242-01 Prepared: 12/14/10 Analyzed: 12/15/10					
Acenaphthene	1.42	0.24	mg/Kg dry	2.34	ND	60.8	40-140			
Acenaphthylene	1.38	0.24	mg/Kg dry	2.34	ND	59.1	40-140			
Acetophenone	0.862	0.48	mg/Kg dry	1.17	ND	73.8	40-140			
Aniline	0.897	0.48	mg/Kg dry	2.34	ND	38.4	* 40-140			MS-09, R-06
Anthracene	1.44	0.24	mg/Kg dry	2.34	ND	61.4	40-140			
Benzo(a)anthracene	1.48	0.24	mg/Kg dry	2.34	ND	63.2	40-140			
Benzo(a)pyrene	1.43	0.24	mg/Kg dry	2.34	ND	61.3	40-140			
Benzo(b)fluoranthene	1.25	0.24	mg/Kg dry	2.34	ND	53.4	40-140			
Benzo(g,h,i)perylene	1.34	0.24	mg/Kg dry	2.34	ND	57.4	40-140			V-06
Benzo(k)fluoranthene	1.23	0.24	mg/Kg dry	2.34	ND	52.7	40-140			
Bis(2-chloroethoxy)methane	1.62	0.48	mg/Kg dry	2.34	ND	69.2	40-140			
Bis(2-chloroethyl)ether	1.64	0.48	mg/Kg dry	2.34	ND	70.2	40-140			
Bis(2-chloroisopropyl)ether	0.726	0.48	mg/Kg dry	2.34	ND	31.1	* 40-140			MS-09, V-04, V-05
Bis(2-Ethylhexyl)phthalate	2.04	0.48	mg/Kg dry	2.34	ND	87.1	40-140			
4-Bromophenylphenylether	1.98	0.48	mg/Kg dry	2.34	ND	84.8	40-140			
Butylbenzylphthalate	1.95	0.93	mg/Kg dry	2.34	ND	83.5	40-140			
4-Chloroaniline	0.734	0.93	mg/Kg dry	2.34	ND	31.4	* 40-140			MS-09
2-Chloronaphthalene	1.37	0.48	mg/Kg dry	2.34	ND	58.5	40-140			
2-Chlorophenol	1.83	0.48	mg/Kg dry	2.34	ND	78.1	30-130			
Chrysene	1.45	0.24	mg/Kg dry	2.34	ND	62.2	40-140			
Dibenz(a,h)anthracene	1.71	0.24	mg/Kg dry	2.34	ND	73.0	40-140			V-06
Dibenzofuran	1.77	0.48	mg/Kg dry	2.34	ND	75.8	40-140			
Di-n-butylphthalate	1.79	0.48	mg/Kg dry	2.34	ND	76.7	40-140			
1,2-Dichlorobenzene	1.61	0.48	mg/Kg dry	2.34	ND	68.7	40-140			
1,3-Dichlorobenzene	1.50	0.48	mg/Kg dry	2.34	ND	64.1	40-140			
1,4-Dichlorobenzene	1.54	0.48	mg/Kg dry	2.34	ND	66.0	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023660 - SW-846 3546

Matrix Spike (B023660-MS1)		Source: 10L0242-01		Prepared: 12/14/10		Analyzed: 12/15/10				
3,3-Dichlorobenzidine	1.57	0.24	mg/Kg dry	2.34	ND	67.0	40-140			
2,4-Dichlorophenol	1.91	0.48	mg/Kg dry	2.34	ND	81.7	30-130			
Diethylphthalate	1.91	0.48	mg/Kg dry	2.34	ND	81.8	40-140			
2,4-Dimethylphenol	1.63	0.48	mg/Kg dry	2.34	ND	69.8	30-130			
Dimethylphthalate	1.81	0.93	mg/Kg dry	2.34	ND	77.4	40-140			
2,4-Dinitrophenol	1.48	0.93	mg/Kg dry	2.34	ND	63.5	30-130			V-04, V-05
2,4-Dinitrotoluene	1.88	0.48	mg/Kg dry	2.34	ND	80.3	40-140			
2,6-Dinitrotoluene	1.90	0.48	mg/Kg dry	2.34	ND	81.2	40-140			
Di-n-octylphthalate	1.25	0.93	mg/Kg dry	2.34	ND	53.3	40-140			R-06
1,2-Diphenylhydrazine (as Azobenzene)	1.72	0.48	mg/Kg dry	2.34	ND	73.5	40-140			
Fluoranthene	1.09	0.24	mg/Kg dry	2.34	ND	46.7	40-140			R-06
Fluorene	1.55	0.24	mg/Kg dry	2.34	ND	66.4	40-140			
Hexachlorobenzene	1.88	0.48	mg/Kg dry	2.34	ND	80.6	40-140			
Hexachlorobutadiene	1.43	0.48	mg/Kg dry	2.34	ND	61.1	40-140			
Hexachloroethane	1.56	0.48	mg/Kg dry	2.34	ND	66.7	40-140			
Indeno(1,2,3-cd)pyrene	1.66	0.24	mg/Kg dry	2.34	ND	71.1	40-140			V-06
Isophorone	1.56	0.48	mg/Kg dry	2.34	ND	66.6	40-140			
2-Methylnaphthalene	1.56	0.24	mg/Kg dry	2.34	ND	66.6	40-140			
2-Methylphenol	1.84	0.48	mg/Kg dry	2.34	ND	78.5	30-130			V-05
3/4-Methylphenol	1.86	0.48	mg/Kg dry	2.34	ND	79.4	30-130			
Naphthalene	1.34	0.24	mg/Kg dry	2.34	ND	57.5	40-140			
Nitrobenzene	1.42	0.48	mg/Kg dry	2.34	ND	60.8	40-140			
2-Nitrophenol	1.69	0.48	mg/Kg dry	2.34	ND	72.2	30-130			
4-Nitrophenol	1.68	0.93	mg/Kg dry	2.34	ND	71.8	30-130			
Pentachlorophenol	0.989	0.48	mg/Kg dry	2.34	ND	42.3	30-130			V-05
Phenanthrene	1.45	0.24	mg/Kg dry	2.34	ND	62.0	40-140			
Phenol	1.85	0.48	mg/Kg dry	2.34	ND	79.3	30-130			
Pyrene	1.53	0.24	mg/Kg dry	2.34	ND	65.3	40-140			
1,2,4-Trichlorobenzene	1.64	0.48	mg/Kg dry	2.34	ND	70.3	40-140			
2,4,5-Trichlorophenol	1.84	0.48	mg/Kg dry	2.34	ND	78.9	30-130			
2,4,6-Trichlorophenol	1.76	0.48	mg/Kg dry	2.34	ND	75.2	30-130			
Surrogate: 2-Fluorophenol	6.78		mg/Kg dry	9.35		72.5	30-130			
Surrogate: Phenol-d6	7.31		mg/Kg dry	9.35		78.1	30-130			
Surrogate: Nitrobenzene-d5	2.93		mg/Kg dry	4.68		62.6	30-130			
Surrogate: 2-Fluorobiphenyl	2.71		mg/Kg dry	4.68		58.0	30-130			
Surrogate: 2,4,6-Tribromophenol	8.09		mg/Kg dry	9.35		86.6	30-130			
Surrogate: Terphenyl-d14	3.46		mg/Kg dry	4.68		74.1	30-130			

Matrix Spike Dup (B023660-MSD1)		Source: 10L0242-01		Prepared: 12/14/10		Analyzed: 12/15/10				
Acenaphthene	1.30	0.24	mg/Kg dry	2.34	ND	55.5	40-140	9.04	30	
Acenaphthylene	1.27	0.24	mg/Kg dry	2.34	ND	54.3	40-140	8.51	30	
Acetophenone	0.740	0.48	mg/Kg dry	1.17	ND	63.3	40-140	15.3	30	
Aniline	0.519	0.48	mg/Kg dry	2.34	ND	22.2	* 40-140	53.3	* 30	MS-09, R-06
Anthracene	1.34	0.24	mg/Kg dry	2.34	ND	57.4	40-140	6.80	30	
Benzo(a)anthracene	1.36	0.24	mg/Kg dry	2.34	ND	58.1	40-140	8.31	30	
Benzo(a)pyrene	1.36	0.24	mg/Kg dry	2.34	ND	58.2	40-140	5.16	30	
Benzo(b)fluoranthene	1.28	0.24	mg/Kg dry	2.34	ND	54.7	40-140	2.44	30	
Benzo(g,h,i)perylene	1.45	0.24	mg/Kg dry	2.34	ND	62.0	40-140	7.67	30	V-06
Benzo(k)fluoranthene	1.31	0.24	mg/Kg dry	2.34	ND	56.2	40-140	6.39	30	
Bis(2-chloroethoxy)methane	1.50	0.48	mg/Kg dry	2.34	ND	64.2	40-140	7.53	30	
Bis(2-chloroethyl)ether	1.45	0.48	mg/Kg dry	2.34	ND	62.0	40-140	12.3	30	
Bis(2-chloroisopropyl)ether	0.667	0.48	mg/Kg dry	2.34	ND	28.5	* 40-140	8.46	30	MS-09, V-04, V-05

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023660 - SW-846 3546										
Matrix Spike Dup (B023660-MSD1)	Source: 10L0242-01			Prepared: 12/14/10 Analyzed: 12/15/10						
Bis(2-Ethylhexyl)phthalate	2.00	0.48	mg/Kg dry	2.34	ND	85.5	40-140	1.78	30	
4-Bromophenylphenylether	1.56	0.48	mg/Kg dry	2.34	ND	66.7	40-140	23.9	30	
Butylbenzylphthalate	1.85	0.93	mg/Kg dry	2.34	ND	79.2	40-140	5.29	30	
4-Chloroaniline	0.755	0.93	mg/Kg dry	2.34	ND	32.3	* 40-140	2.70	30	MS-09
2-Chloronaphthalene	1.32	0.48	mg/Kg dry	2.34	ND	56.5	40-140	3.51	30	
2-Chlorophenol	1.57	0.48	mg/Kg dry	2.34	ND	67.1	30-130	15.2	30	
Chrysene	1.35	0.24	mg/Kg dry	2.34	ND	57.9	40-140	7.10	30	
Dibenz(a,h)anthracene	1.55	0.24	mg/Kg dry	2.34	ND	66.5	40-140	9.40	30	V-06
Dibenzofuran	1.58	0.48	mg/Kg dry	2.34	ND	67.8	40-140	11.1	30	
Di-n-butylphthalate	1.74	0.48	mg/Kg dry	2.34	ND	74.3	40-140	3.10	30	
1,2-Dichlorobenzene	1.43	0.48	mg/Kg dry	2.34	ND	61.3	40-140	11.4	30	
1,3-Dichlorobenzene	1.36	0.48	mg/Kg dry	2.34	ND	58.3	40-140	9.45	30	
1,4-Dichlorobenzene	1.39	0.48	mg/Kg dry	2.34	ND	59.3	40-140	10.8	30	
3,3-Dichlorobenzidine	1.16	0.24	mg/Kg dry	2.34	ND	49.8	40-140	29.4	30	
2,4-Dichlorophenol	1.64	0.48	mg/Kg dry	2.34	ND	70.3	30-130	14.9	30	
Diethylphthalate	1.70	0.48	mg/Kg dry	2.34	ND	72.6	40-140	11.9	30	
2,4-Dimethylphenol	1.52	0.48	mg/Kg dry	2.34	ND	64.9	30-130	7.22	30	
Dimethylphthalate	1.66	0.93	mg/Kg dry	2.34	ND	70.9	40-140	8.76	30	
2,4-Dinitrophenol	1.45	0.93	mg/Kg dry	2.34	ND	62.1	30-130	2.23	30	V-05, V-04
2,4-Dinitrotoluene	1.67	0.48	mg/Kg dry	2.34	ND	71.4	40-140	11.8	30	
2,6-Dinitrotoluene	1.68	0.48	mg/Kg dry	2.34	ND	72.0	40-140	12.0	30	
Di-n-octylphthalate	1.79	0.93	mg/Kg dry	2.34	ND	76.7	40-140	36.0	* 30	R-06
1,2-Diphenylhydrazine (as Azobenzene)	1.37	0.48	mg/Kg dry	2.34	ND	58.4	40-140	22.9	30	
Fluoranthene	1.64	0.24	mg/Kg dry	2.34	ND	70.2	40-140	40.2	* 30	R-06
Fluorene	1.37	0.24	mg/Kg dry	2.34	ND	58.7	40-140	12.2	30	
Hexachlorobenzene	1.59	0.48	mg/Kg dry	2.34	ND	67.9	40-140	17.2	30	
Hexachlorobutadiene	1.36	0.48	mg/Kg dry	2.34	ND	58.1	40-140	5.10	30	
Hexachloroethane	1.39	0.48	mg/Kg dry	2.34	ND	59.5	40-140	11.4	30	
Indeno(1,2,3-cd)pyrene	1.60	0.24	mg/Kg dry	2.34	ND	68.5	40-140	3.70	30	V-06
Isophorone	1.42	0.48	mg/Kg dry	2.34	ND	60.8	40-140	9.11	30	
2-Methylnaphthalene	1.31	0.24	mg/Kg dry	2.34	ND	56.2	40-140	16.9	30	
2-Methylphenol	1.67	0.48	mg/Kg dry	2.34	ND	71.3	30-130	9.61	30	V-05
3/4-Methylphenol	1.61	0.48	mg/Kg dry	2.34	ND	69.0	30-130	14.1	30	
Naphthalene	1.23	0.24	mg/Kg dry	2.34	ND	52.5	40-140	9.01	30	
Nitrobenzene	1.32	0.48	mg/Kg dry	2.34	ND	56.5	40-140	7.30	30	
2-Nitrophenol	1.54	0.48	mg/Kg dry	2.34	ND	66.0	30-130	9.03	30	
4-Nitrophenol	1.89	0.93	mg/Kg dry	2.34	ND	80.7	30-130	11.6	30	
Pentachlorophenol	1.15	0.48	mg/Kg dry	2.34	ND	49.1	30-130	14.8	30	V-05
Phenanthrene	1.32	0.24	mg/Kg dry	2.34	ND	56.5	40-140	9.24	30	
Phenol	1.60	0.48	mg/Kg dry	2.34	ND	68.4	30-130	14.8	30	
Pyrene	1.36	0.24	mg/Kg dry	2.34	ND	58.4	40-140	11.2	30	
1,2,4-Trichlorobenzene	1.50	0.48	mg/Kg dry	2.34	ND	64.4	40-140	8.82	30	
2,4,5-Trichlorophenol	1.74	0.48	mg/Kg dry	2.34	ND	74.4	30-130	5.87	30	
2,4,6-Trichlorophenol	1.64	0.48	mg/Kg dry	2.34	ND	70.0	30-130	7.17	30	
Surrogate: 2-Fluorophenol	6.07		mg/Kg dry	9.35		64.9	30-130			
Surrogate: Phenol-d6	6.39		mg/Kg dry	9.35		68.3	30-130			
Surrogate: Nitrobenzene-d5	2.73		mg/Kg dry	4.68		58.4	30-130			
Surrogate: 2-Fluorobiphenyl	2.77		mg/Kg dry	4.68		59.2	30-130			
Surrogate: 2,4,6-Tribromophenol	7.81		mg/Kg dry	9.35		83.5	30-130			
Surrogate: Terphenyl-d14	3.14		mg/Kg dry	4.68		67.3	30-130			

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023439 - SW-846 3546

Matrix Spike (B023439-MS1)		Source: 10L0242-01		Prepared: 12/09/10		Analyzed: 12/12/10				
Aldrin	0.023	0.0070	mg/Kg dry	0.0281	ND	81.0	30-150			
Aldrin [2C]	0.023	0.0070	mg/Kg dry	0.0281	ND	80.5	30-150			
alpha-BHC	0.022	0.0070	mg/Kg dry	0.0281	ND	78.2	30-150			
alpha-BHC [2C]	0.030	0.0070	mg/Kg dry	0.0281	ND	107	30-150			
beta-BHC	0.022	0.0070	mg/Kg dry	0.0281	ND	77.3	30-150			
beta-BHC [2C]	0.027	0.0070	mg/Kg dry	0.0281	ND	95.0	30-150			
delta-BHC	0.023	0.0070	mg/Kg dry	0.0281	ND	80.4	30-150			
delta-BHC [2C]	0.029	0.0070	mg/Kg dry	0.0281	ND	104	30-150			
gamma-BHC (Lindane)	0.023	0.0028	mg/Kg dry	0.0281	ND	82.4	30-150			
gamma-BHC (Lindane) [2C]	0.031	0.0028	mg/Kg dry	0.0281	ND	111	30-150			
4,4'-DDD	0.025	0.0056	mg/Kg dry	0.0281	ND	88.6	30-150			
4,4'-DDD [2C]	0.029	0.0056	mg/Kg dry	0.0281	ND	102	30-150			
4,4'-DDE	0.023	0.0056	mg/Kg dry	0.0281	ND	81.8	30-150			
4,4'-DDE [2C]	0.029	0.0056	mg/Kg dry	0.0281	ND	103	30-150			
4,4'-DDT	0.022	0.0056	mg/Kg dry	0.0281	ND	78.6	30-150			
4,4'-DDT [2C]	0.025	0.0056	mg/Kg dry	0.0281	ND	89.7	30-150			
Dieldrin	0.021	0.0056	mg/Kg dry	0.0281	ND	75.5	30-150			
Dieldrin [2C]	0.031	0.0056	mg/Kg dry	0.0281	ND	112	30-150			
Endosulfan I	0.022	0.0070	mg/Kg dry	0.0281	ND	79.5	30-150			
Endosulfan I [2C]	0.020	0.0070	mg/Kg dry	0.0281	ND	69.6	30-150			
Endosulfan II	0.023	0.011	mg/Kg dry	0.0281	ND	83.5	30-150			
Endosulfan II [2C]	0.030	0.011	mg/Kg dry	0.0281	ND	108	30-150			
Endosulfan Sulfate	0.022	0.011	mg/Kg dry	0.0281	ND	77.7	30-150			
Endosulfan Sulfate [2C]	0.027	0.011	mg/Kg dry	0.0281	ND	97.0	30-150			
Endrin	0.024	0.011	mg/Kg dry	0.0281	ND	84.9	30-150			
Endrin [2C]	0.029	0.011	mg/Kg dry	0.0281	ND	103	30-150			
Endrin Ketone	0.026	0.011	mg/Kg dry	0.0281	ND	93.4	30-150			
Endrin Ketone [2C]	0.027	0.011	mg/Kg dry	0.0281	ND	97.4	30-150			
Heptachlor	0.024	0.0070	mg/Kg dry	0.0281	ND	85.5	30-150			
Heptachlor [2C]	0.031	0.0070	mg/Kg dry	0.0281	ND	109	30-150			
Heptachlor Epoxide	0.021	0.0070	mg/Kg dry	0.0281	ND	76.4	30-150			
Heptachlor Epoxide [2C]	0.029	0.0070	mg/Kg dry	0.0281	ND	103	30-150			
Hexachlorobenzene	0.022	0.0070	mg/Kg dry	0.0281	ND	77.2	30-150			
Hexachlorobenzene [2C]	0.029	0.0070	mg/Kg dry	0.0281	ND	105	30-150			
Methoxychlor	0.027	0.070	mg/Kg dry	0.0281	ND	97.5	30-150			
Methoxychlor [2C]	0.033	0.070	mg/Kg dry	0.0281	ND	118	30-150			
Surrogate: Decachlorobiphenyl	0.232		mg/Kg dry	0.281		82.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.265		mg/Kg dry	0.281		94.5	30-150			
Surrogate: Tetrachloro-m-xylene	0.220		mg/Kg dry	0.281		78.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.292		mg/Kg dry	0.281		104	30-150			

Matrix Spike Dup (B023439-MSD1)		Source: 10L0242-01		Prepared: 12/09/10		Analyzed: 12/12/10				
Aldrin	0.024	0.0070	mg/Kg dry	0.0281	ND	84.9	30-150	4.68	30	
Aldrin [2C]	0.026	0.0070	mg/Kg dry	0.0281	ND	91.2	30-150	12.5	30	
alpha-BHC	0.023	0.0070	mg/Kg dry	0.0281	ND	80.9	30-150	3.47	30	
alpha-BHC [2C]	0.030	0.0070	mg/Kg dry	0.0281	ND	106	30-150	1.06	30	
beta-BHC	0.022	0.0070	mg/Kg dry	0.0281	ND	77.6	30-150	0.433	30	
beta-BHC [2C]	0.027	0.0070	mg/Kg dry	0.0281	ND	95.9	30-150	0.880	30	
delta-BHC	0.024	0.0070	mg/Kg dry	0.0281	ND	84.2	30-150	4.57	30	
delta-BHC [2C]	0.029	0.0070	mg/Kg dry	0.0281	ND	103	30-150	1.17	30	
gamma-BHC (Lindane)	0.023	0.0028	mg/Kg dry	0.0281	ND	82.9	30-150	0.587	30	
gamma-BHC (Lindane) [2C]	0.031	0.0028	mg/Kg dry	0.0281	ND	111	30-150	0.311	30	

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023439 - SW-846 3546										
Matrix Spike Dup (B023439-MSD1)	Source: 10L0242-01			Prepared: 12/09/10 Analyzed: 12/12/10						
4,4'-DDD	0.024	0.0056	mg/Kg dry	0.0281	ND	85.7	30-150	3.21	30	
4,4'-DDD [2C]	0.030	0.0056	mg/Kg dry	0.0281	ND	106	30-150	3.49	30	
4,4'-DDE	0.023	0.0056	mg/Kg dry	0.0281	ND	83.0	30-150	1.46	30	
4,4'-DDE [2C]	0.029	0.0056	mg/Kg dry	0.0281	ND	103	30-150	0.684	30	
4,4'-DDT	0.022	0.0056	mg/Kg dry	0.0281	ND	78.2	30-150	0.555	30	
4,4'-DDT [2C]	0.027	0.0056	mg/Kg dry	0.0281	ND	95.9	30-150	6.70	30	
Dieldrin	0.023	0.0056	mg/Kg dry	0.0281	ND	81.2	30-150	7.34	30	
Dieldrin [2C]	0.031	0.0056	mg/Kg dry	0.0281	ND	112	30-150	0.388	30	
Endosulfan I	0.023	0.0070	mg/Kg dry	0.0281	ND	81.2	30-150	2.07	30	
Endosulfan I [2C]	0.022	0.0070	mg/Kg dry	0.0281	ND	79.0	30-150	12.6	30	
Endosulfan II	0.023	0.011	mg/Kg dry	0.0281	ND	81.7	30-150	2.15	30	
Endosulfan II [2C]	0.030	0.011	mg/Kg dry	0.0281	ND	109	30-150	0.934	30	
Endosulfan Sulfate	0.025	0.011	mg/Kg dry	0.0281	ND	88.5	30-150	13.0	30	
Endosulfan Sulfate [2C]	0.028	0.011	mg/Kg dry	0.0281	ND	98.2	30-150	1.25	30	
Endrin	0.024	0.011	mg/Kg dry	0.0281	ND	86.9	30-150	2.30	30	
Endrin [2C]	0.029	0.011	mg/Kg dry	0.0281	ND	104	30-150	0.966	30	
Endrin Ketone	0.027	0.011	mg/Kg dry	0.0281	ND	94.6	30-150	1.24	30	
Endrin Ketone [2C]	0.027	0.011	mg/Kg dry	0.0281	ND	96.2	30-150	1.31	30	
Heptachlor	0.023	0.0070	mg/Kg dry	0.0281	ND	83.4	30-150	2.53	30	
Heptachlor [2C]	0.034	0.0070	mg/Kg dry	0.0281	ND	122	30-150	11.4	30	
Heptachlor Epoxide	0.022	0.0070	mg/Kg dry	0.0281	ND	79.8	30-150	4.38	30	
Heptachlor Epoxide [2C]	0.029	0.0070	mg/Kg dry	0.0281	ND	104	30-150	0.729	30	
Hexachlorobenzene	0.022	0.0070	mg/Kg dry	0.0281	ND	79.8	30-150	3.28	30	
Hexachlorobenzene [2C]	0.030	0.0070	mg/Kg dry	0.0281	ND	106	30-150	1.29	30	
Methoxychlor	0.029	0.070	mg/Kg dry	0.0281	ND	104	30-150	6.39	30	
Methoxychlor [2C]	0.030	0.070	mg/Kg dry	0.0281	ND	108	30-150	8.96	30	
Surrogate: Decachlorobiphenyl	0.251		mg/Kg dry	0.281		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.280		mg/Kg dry	0.281		99.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.229		mg/Kg dry	0.281		81.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.297		mg/Kg dry	0.281		106	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023437 - SW-846 3546
Blank (B023437-BLK1)

Prepared: 12/09/10 Analyzed: 12/10/10

Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	0.189		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.201		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	0.227		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.238		mg/Kg wet	0.200		119	30-150			

LCS (B023437-BS1)

Prepared: 12/09/10 Analyzed: 12/10/10

Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		105	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		92.1	40-140			
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		95.7	40-140			
Surrogate: Decachlorobiphenyl	0.176		mg/Kg wet	0.200		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.186		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.212		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.222		mg/Kg wet	0.200		111	30-150			

LCS Dup (B023437-BSD1)

Prepared: 12/09/10 Analyzed: 12/10/10

Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		110	40-140	4.52	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140	4.86	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		104	40-140	12.6	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	9.46	30	
Surrogate: Decachlorobiphenyl	0.200		mg/Kg wet	0.200		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.206		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.225		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.234		mg/Kg wet	0.200		117	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B023437 - SW-846 3546
Matrix Spike (B023437-MS1)
Source: 10L0242-01

Prepared: 12/09/10 Analyzed: 12/10/10

Aroclor-1016	0.28	0.14	mg/Kg dry	0.281	ND	99.8	40-140			
Aroclor-1016 [2C]	0.29	0.14	mg/Kg dry	0.281	ND	104	40-140			
Aroclor-1260	0.25	0.14	mg/Kg dry	0.281	ND	89.6	40-140			
Aroclor-1260 [2C]	0.26	0.14	mg/Kg dry	0.281	ND	92.3	40-140			
Surrogate: Decachlorobiphenyl	0.245		mg/Kg dry	0.281		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.256		mg/Kg dry	0.281		91.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.285		mg/Kg dry	0.281		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.301		mg/Kg dry	0.281		107	30-150			

Matrix Spike Dup (B023437-MSD1)
Source: 10L0242-01

Prepared: 12/09/10 Analyzed: 12/10/10

Aroclor-1016	0.32	0.14	mg/Kg dry	0.281	ND	113	40-140	12.3	50	
Aroclor-1016 [2C]	0.32	0.14	mg/Kg dry	0.281	ND	115	40-140	10.6	50	
Aroclor-1260	0.30	0.14	mg/Kg dry	0.281	ND	108	40-140	18.3	50	
Aroclor-1260 [2C]	0.31	0.14	mg/Kg dry	0.281	ND	109	40-140	16.9	50	
Surrogate: Decachlorobiphenyl	0.299		mg/Kg dry	0.281		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.308		mg/Kg dry	0.281		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.314		mg/Kg dry	0.281		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.329		mg/Kg dry	0.281		117	30-150			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B023500 - SW-846 3546
Blank (B023500-BLK1)

Prepared: 12/10/10 Analyzed: 12/13/10

C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	4.56		mg/Kg wet	5.00		91.2	40-140			
Surrogate: o-Terphenyl (OTP)	4.77		mg/Kg wet	5.00		95.4	40-140			
Surrogate: 2-Bromonaphthalene	5.16		mg/Kg wet	5.00		103	40-140			
Surrogate: 2-Fluorobiphenyl	5.29		mg/Kg wet	5.00		106	40-140			

LCS (B023500-BS1)

Prepared: 12/10/10 Analyzed: 12/13/10

Acenaphthene	4.17	0.10	mg/Kg wet	5.00		83.5	40-140			
Acenaphthylene	4.23	0.10	mg/Kg wet	5.00		84.7	40-140			
Anthracene	4.34	0.10	mg/Kg wet	5.00		86.7	40-140			
Benzo(a)anthracene	4.63	0.10	mg/Kg wet	5.00		92.6	40-140			
Benzo(a)pyrene	4.32	0.10	mg/Kg wet	5.00		86.5	40-140			
Benzo(b)fluoranthene	4.53	0.10	mg/Kg wet	5.00		90.6	40-140			
Benzo(g,h,i)perylene	4.42	0.10	mg/Kg wet	5.00		88.4	40-140			
Benzo(k)fluoranthene	4.42	0.10	mg/Kg wet	5.00		88.4	40-140			
Chrysene	4.25	0.10	mg/Kg wet	5.00		85.1	40-140			
Dibenz(a,h)anthracene	4.44	0.10	mg/Kg wet	5.00		88.9	40-140			
Fluoranthene	4.29	0.10	mg/Kg wet	5.00		85.8	40-140			
Fluorene	4.32	0.10	mg/Kg wet	5.00		86.5	40-140			
Indeno(1,2,3-cd)pyrene	4.41	0.10	mg/Kg wet	5.00		88.2	40-140			
2-Methylnaphthalene	4.21	0.10	mg/Kg wet	5.00		84.2	40-140			
Naphthalene	3.95	0.10	mg/Kg wet	5.00		78.9	40-140			
Phenanthrene	4.28	0.10	mg/Kg wet	5.00		85.6	40-140			
Pyrene	4.39	0.10	mg/Kg wet	5.00		87.7	40-140			
n-Decane	3.02	0.10	mg/Kg wet	5.00		60.5	40-140			
n-Docosane	4.87	0.10	mg/Kg wet	5.00		97.3	40-140			
n-Dodecane	3.84	0.10	mg/Kg wet	5.00		76.7	40-140			
n-Eicosane	4.73	0.10	mg/Kg wet	5.00		94.6	40-140			
n-Hexacosane	4.53	0.10	mg/Kg wet	5.00		90.6	40-140			
n-Hexatriacontane	4.79	0.10	mg/Kg wet	5.00		95.8	40-140			
n-Nonadecane	4.70	0.10	mg/Kg wet	5.00		94.1	40-140			
n-Nonane	2.03	0.10	mg/Kg wet	5.00		40.6	30-140			
n-Octacosane	4.51	0.10	mg/Kg wet	5.00		90.1	40-140			
n-Octadecane	4.72	0.10	mg/Kg wet	5.00		94.4	40-140			
n-Tetracosane	4.58	0.10	mg/Kg wet	5.00		91.7	40-140			
n-Triacontane	4.55	0.10	mg/Kg wet	5.00		91.0	40-140			
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	3.75		mg/Kg wet	5.00		75.0	40-140			
Surrogate: o-Terphenyl (OTP)	4.33		mg/Kg wet	5.00		86.6	40-140			
Surrogate: 2-Bromonaphthalene	5.03		mg/Kg wet	5.00		101	40-140			
Surrogate: 2-Fluorobiphenyl	5.15		mg/Kg wet	5.00		103	40-140			

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023500 - SW-846 3546										
LCS Dup (B023500-BSD1)					Prepared: 12/10/10 Analyzed: 12/13/10					
Acenaphthene	4.29	0.10	mg/Kg wet	5.00		85.8	40-140	2.76	25	
Acenaphthylene	4.35	0.10	mg/Kg wet	5.00		87.1	40-140	2.81	25	
Anthracene	4.51	0.10	mg/Kg wet	5.00		90.2	40-140	3.97	25	
Benzo(a)anthracene	4.82	0.10	mg/Kg wet	5.00		96.4	40-140	3.97	25	
Benzo(a)pyrene	4.50	0.10	mg/Kg wet	5.00		89.9	40-140	3.88	25	
Benzo(b)fluoranthene	4.67	0.10	mg/Kg wet	5.00		93.5	40-140	3.13	25	
Benzo(g,h,i)perylene	4.59	0.10	mg/Kg wet	5.00		91.8	40-140	3.78	25	
Benzo(k)fluoranthene	4.62	0.10	mg/Kg wet	5.00		92.5	40-140	4.51	25	
Chrysene	4.46	0.10	mg/Kg wet	5.00		89.2	40-140	4.72	25	
Dibenz(a,h)anthracene	4.65	0.10	mg/Kg wet	5.00		93.0	40-140	4.55	25	
Fluoranthene	4.43	0.10	mg/Kg wet	5.00		88.7	40-140	3.32	25	
Fluorene	4.46	0.10	mg/Kg wet	5.00		89.1	40-140	3.03	25	
Indeno(1,2,3-cd)pyrene	4.56	0.10	mg/Kg wet	5.00		91.3	40-140	3.39	25	
2-Methylnaphthalene	4.29	0.10	mg/Kg wet	5.00		85.8	40-140	1.87	25	
Naphthalene	3.99	0.10	mg/Kg wet	5.00		79.9	40-140	1.20	25	
Phenanthrene	4.42	0.10	mg/Kg wet	5.00		88.4	40-140	3.27	25	
Pyrene	4.53	0.10	mg/Kg wet	5.00		90.7	40-140	3.29	25	
n-Decane	2.93	0.10	mg/Kg wet	5.00		58.7	40-140	3.07	25	
n-Docosane	4.90	0.10	mg/Kg wet	5.00		98.0	40-140	0.715	25	
n-Dodecane	3.75	0.10	mg/Kg wet	5.00		74.9	40-140	2.37	25	
n-Eicosane	4.72	0.10	mg/Kg wet	5.00		94.3	40-140	0.305	25	
n-Hexacosane	4.59	0.10	mg/Kg wet	5.00		91.7	40-140	1.29	25	
n-Hexatriacontane	5.06	0.10	mg/Kg wet	5.00		101	40-140	5.42	25	
n-Nonadecane	4.73	0.10	mg/Kg wet	5.00		94.5	40-140	0.439	25	
n-Nonane	1.95	0.10	mg/Kg wet	5.00		38.9	30-140	4.07	25	
n-Octacosane	4.56	0.10	mg/Kg wet	5.00		91.1	40-140	1.11	25	
n-Octadecane	4.73	0.10	mg/Kg wet	5.00		94.5	40-140	0.0847	25	
n-Tetracosane	4.61	0.10	mg/Kg wet	5.00		92.3	40-140	0.633	25	
n-Triacontane	4.64	0.10	mg/Kg wet	5.00		92.7	40-140	1.88	25	
Naphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	0.10	mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	3.74		mg/Kg wet	5.00		74.8	40-140			
Surrogate: o-Terphenyl (OTP)	4.45		mg/Kg wet	5.00		89.1	40-140			
Surrogate: 2-Bromonaphthalene	4.99		mg/Kg wet	5.00		99.8	40-140			
Surrogate: 2-Fluorobiphenyl	5.10		mg/Kg wet	5.00		102	40-140			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023488 - SW-846 7471										
Blank (B023488-BLK1)				Prepared: 12/10/10 Analyzed: 12/14/10						
Mercury	ND	0.0083	mg/Kg wet							
LCS (B023488-BS1)				Prepared: 12/10/10 Analyzed: 12/14/10						
Mercury	1.08	0.032	mg/Kg wet	1.25		86.3	66-132			
LCS Dup (B023488-BSD1)				Prepared: 12/10/10 Analyzed: 12/14/10						
Mercury	1.17	0.032	mg/Kg wet	1.25		93.3	66-132	7.82	30	
Duplicate (B023488-DUP1)				Source: 10L0242-01		Prepared: 12/10/10 Analyzed: 12/14/10				
Mercury	0.396	0.011	mg/Kg dry		0.451			13.0	35	
Matrix Spike (B023488-MS1)				Source: 10L0242-01		Prepared: 12/10/10 Analyzed: 12/14/10				
Mercury	0.670	0.023	mg/Kg dry	0.225	0.451	97.0	75-125			
Matrix Spike Dup (B023488-MSD1)				Source: 10L0242-01		Prepared: 12/10/10 Analyzed: 12/14/10				
Mercury	0.678	0.023	mg/Kg dry	0.226	0.451	101	75-125	1.29	35	
Batch B023567 - SW-846 3050B										
Blank (B023567-BLK1)				Prepared & Analyzed: 12/14/10						
Antimony	ND	2.5	mg/Kg wet							
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Beryllium	ND	0.25	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Nickel	ND	0.50	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
Thallium	ND	2.5	mg/Kg wet							
Vanadium	ND	1.0	mg/Kg wet							
Zinc	ND	1.0	mg/Kg wet							
LCS (B023567-BS1)				Prepared & Analyzed: 12/14/10						
Antimony	104	5.0	mg/Kg wet	103		101	30-203.7			
Arsenic	99.4	5.0	mg/Kg wet	107		92.9	81.6-118.4			
Barium	306	5.0	mg/Kg wet	331		92.4	80.7-119.3			
Beryllium	72.7	0.50	mg/Kg wet	74.1		98.1	81.6-118.9			
Cadmium	227	0.50	mg/Kg wet	244		93.0	82.4-117.6			
Chromium	75.0	1.0	mg/Kg wet	80.6		93.0	78.8-120.7			
Lead	99.6	1.5	mg/Kg wet	107		93.1	79.1-120.3			
Nickel	93.9	1.0	mg/Kg wet	96.8		97.0	81.2-119.2			
Selenium	164	10	mg/Kg wet	177		92.4	78.4-120.9			
Silver	38.9	1.0	mg/Kg wet	46.2		84.2	66.2-133.6			
Thallium	246	5.0	mg/Kg wet	272		90.4	77.6-122.4			
Vanadium	114	2.0	mg/Kg wet	115		98.9	79.4-120.1			
Zinc	352	2.0	mg/Kg wet	378		93.1	80.5-119.3			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023567 - SW-846 3050B										
LCS (B023567-BS2)				Prepared & Analyzed: 12/14/10						
Lead	0.796	0.78	mg/Kg wet	0.781		102	80-120			
LCS Dup (B023567-BSD1)				Prepared & Analyzed: 12/14/10						
Antimony	105	5.0	mg/Kg wet	103		101	30-203.7	0.557	30	
Arsenic	94.7	5.0	mg/Kg wet	107		88.5	81.6-118.4	4.89	30	
Barium	301	5.0	mg/Kg wet	331		90.9	80.7-119.3	1.59	30	
Beryllium	70.1	0.50	mg/Kg wet	74.1		94.6	81.6-118.9	3.61	30	
Cadmium	222	0.50	mg/Kg wet	244		91.0	82.4-117.6	2.16	30	
Chromium	73.0	0.99	mg/Kg wet	80.6		90.6	78.8-120.7	2.68	30	
Lead	90.0	1.5	mg/Kg wet	107		84.1	79.1-120.3	10.1	30	
Nickel	90.6	0.99	mg/Kg wet	96.8		93.6	81.2-119.2	3.52	30	
Selenium	156	9.9	mg/Kg wet	177		87.9	78.4-120.9	5.03	30	
Silver	37.1	0.99	mg/Kg wet	46.2		80.3	66.2-133.6	4.76	30	
Thallium	243	5.0	mg/Kg wet	272		89.4	77.6-122.4	1.11	30	
Vanadium	110	2.0	mg/Kg wet	115		95.8	79.4-120.1	3.13	30	
Zinc	346	2.0	mg/Kg wet	378		91.7	80.5-119.3	1.53	30	
Duplicate (B023567-DUP1)				Source: 10L0242-01		Prepared & Analyzed: 12/14/10				
Antimony	ND	3.5	mg/Kg dry		ND			NC	35	
Arsenic	ND	3.5	mg/Kg dry		3.95			NC	35	
Barium	28.5	3.5	mg/Kg dry		31.0			8.72	35	
Beryllium	1.97	0.35	mg/Kg dry		1.84			7.30	35	
Cadmium	ND	0.35	mg/Kg dry		ND			NC	35	
Chromium	9.13	0.70	mg/Kg dry		8.41			8.25	35	
Lead	14.0	1.1	mg/Kg dry		17.0			19.1	35	
Nickel	4.71	0.70	mg/Kg dry		4.74			0.527	35	
Selenium	ND	7.0	mg/Kg dry		ND			NC	35	
Silver	ND	0.70	mg/Kg dry		ND			NC	35	
Thallium	ND	3.5	mg/Kg dry		ND			NC	35	
Vanadium	11.0	1.4	mg/Kg dry		10.4			4.96	35	
Zinc	18.8	1.4	mg/Kg dry		22.0			15.6	35	
Matrix Spike (B023567-MS1)				Source: 10L0242-01		Prepared & Analyzed: 12/14/10				
Antimony	19.9	3.4	mg/Kg dry	34.2	ND	58.3	*	75-125		MS-09
Arsenic	34.3	3.4	mg/Kg dry	34.2	3.95	88.8		75-125		
Barium	63.3	3.4	mg/Kg dry	34.2	31.0	94.4		75-125		
Beryllium	35.6	0.34	mg/Kg dry	34.2	1.84	98.9		75-125		
Cadmium	32.5	0.34	mg/Kg dry	34.2	0.222	94.3		75-125		
Chromium	43.1	0.68	mg/Kg dry	34.2	8.41	102		75-125		
Lead	39.8	1.0	mg/Kg dry	34.2	17.0	67.0	*	75-125		MS-22
Nickel	38.5	0.68	mg/Kg dry	34.2	4.74	98.9		75-125		
Selenium	30.9	6.8	mg/Kg dry	34.2	ND	90.4		75-125		
Silver	29.5	0.68	mg/Kg dry	34.2	ND	86.2		75-125		
Thallium	28.0	3.4	mg/Kg dry	34.2	ND	82.0		75-125		
Vanadium	46.5	1.4	mg/Kg dry	34.2	10.4	105		75-125		
Zinc	78.3	1.4	mg/Kg dry	34.2	22.0	165	*	75-125		MS-22

QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B023567 - SW-846 3050B

Matrix Spike Dup (B023567-MSD1)

Source: 10L0242-01

Prepared & Analyzed: 12/14/10

Antimony	20.0	3.4	mg/Kg dry	34.2	ND	58.5 *	75-125	0.306	35	MS-09
Arsenic	34.9	3.4	mg/Kg dry	34.2	3.95	90.4	75-125	1.71	35	
Barium	65.4	3.4	mg/Kg dry	34.2	31.0	100	75-125	3.22	35	
Beryllium	36.0	0.34	mg/Kg dry	34.2	1.84	100	75-125	1.16	35	
Cadmium	32.1	0.34	mg/Kg dry	34.2	0.222	93.3	75-125	0.990	35	
Chromium	40.6	0.68	mg/Kg dry	34.2	8.41	94.1	75-125	6.02	35	
Lead	46.7	1.0	mg/Kg dry	34.2	17.0	86.8	75-125	15.8	35	
Nickel	37.1	0.68	mg/Kg dry	34.2	4.74	94.6	75-125	3.81	35	
Selenium	31.1	6.8	mg/Kg dry	34.2	ND	90.8	75-125	0.509	35	
Silver	28.9	0.68	mg/Kg dry	34.2	ND	84.4	75-125	2.04	35	
Thallium	28.2	3.4	mg/Kg dry	34.2	ND	82.5	75-125	0.711	35	
Vanadium	43.2	1.4	mg/Kg dry	34.2	10.4	95.7	75-125	7.28	35	
Zinc	58.2	1.4	mg/Kg dry	34.2	22.0	106	75-125	29.5	35	

BREAKDOWN REPORT

Lab Sample ID: S000556-PEM1 Analyzed: 12/12/2010

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.00
Endrin [1]	1.23

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.00
Endrin [2]	1.06

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
L-15	Compound classified by MA CAM as difficult with acceptable recoveries of 15-140%. Recovery does not meet criteria of 40-140% for Base/Neutral or 30-130% for Acids but does meet difficult compound criteria.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-08	Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
S-16	Surrogate recovery is outside of control limits. Reanalysis is not required if % solids is <75% and recovery is >10%.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Soil	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
SW-846 6010B in Soil	
Antimony	CT,NH,NY
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Beryllium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Nickel	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
Thallium	CT,NH,NY
Vanadium	CT,NH,NY
Zinc	CT,NH,NY
SW-846 7471B in Soil	
Mercury	CT,NH,NY
SW-846 8081A in Soil	
Aldrin	CT,NC,NH,NY
Aldrin [2C]	CT,NC,NH,NY
alpha-BHC	CT,NC,NH,NY
alpha-BHC [2C]	CT,NC,NH,NY
beta-BHC	CT,NC,NH,NY
beta-BHC [2C]	CT,NC,NH,NY
delta-BHC	CT,NC,NH,NY
delta-BHC [2C]	CT,NC,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081A in Soil</i>	
gamma-BHC (Lindane)	CT,NC,NH,NY
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY
Chlordane	CT,NC,NH,NY
Chlordane [2C]	CT,NC,NH,NY
4,4'-DDD	CT,NC,NH,NY
4,4'-DDD [2C]	CT,NC,NH,NY
4,4'-DDE	CT,NC,NH,NY
4,4'-DDE [2C]	CT,NC,NH,NY
4,4'-DDT	CT,NC,NH,NY
4,4'-DDT [2C]	CT,NC,NH,NY
Dieldrin	CT,NC,NH,NY
Dieldrin [2C]	CT,NC,NH,NY
Endosulfan I	CT,NC,NH,NY
Endosulfan I [2C]	CT,NC,NH,NY
Endosulfan II	CT,NC,NH,NY
Endosulfan II [2C]	CT,NC,NH,NY
Endosulfan Sulfate	CT,NC,NH,NY
Endosulfan Sulfate [2C]	CT,NC,NH,NY
Endrin	CT,NC,NH,NY
Endrin [2C]	CT,NC,NH,NY
Heptachlor	CT,NC,NH,NY
Heptachlor [2C]	CT,NC,NH,NY
Heptachlor Epoxide	CT,NC,NH,NY
Heptachlor Epoxide [2C]	CT,NC,NH,NY
Hexachlorobenzene	NH
Hexachlorobenzene [2C]	NH
Methoxychlor	CT,NC,NH,NY
Methoxychlor [2C]	CT,NC,NH,NY
<i>SW-846 8082 in Soil</i>	
Aroclor-1016	CT,NH,NY,NC
Aroclor-1016 [2C]	CT,NH,NY,NC
Aroclor-1221	CT,NH,NY,NC
Aroclor-1221 [2C]	CT,NH,NY,NC
Aroclor-1232	CT,NH,NY,NC
Aroclor-1232 [2C]	CT,NH,NY,NC
Aroclor-1242	CT,NH,NY,NC
Aroclor-1242 [2C]	CT,NH,NY,NC
Aroclor-1248	CT,NH,NY,NC
Aroclor-1248 [2C]	CT,NH,NY,NC
Aroclor-1254	CT,NH,NY,NC
Aroclor-1254 [2C]	CT,NH,NY,NC
Aroclor-1260	CT,NH,NY,NC
Aroclor-1260 [2C]	CT,NH,NY,NC
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1268 [2C]	NC
SW-846 8260B in Soil	
Acetone	CT,NH,NY,NC
Acetone	CT,NH,NY,NC
tert-Amyl Methyl Ether (TAME)	NC
tert-Amyl Methyl Ether (TAME)	NC
Benzene	CT,NH,NY,NC
Benzene	CT,NH,NY,NC
Bromobenzene	NH,NY,NC
Bromobenzene	NH,NY,NC
Bromochloromethane	NH,NY,NC
Bromochloromethane	NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC
Bromoform	CT,NH,NY,NC
Bromoform	CT,NH,NY,NC
Bromomethane	CT,NH,NY,NC
Bromomethane	CT,NH,NY,NC
2-Butanone (MEK)	CT,NH,NY,NC
2-Butanone (MEK)	CT,NH,NY,NC
n-Butylbenzene	CT,NH,NY,NC
n-Butylbenzene	CT,NH,NY,NC
sec-Butylbenzene	CT,NH,NY,NC
sec-Butylbenzene	CT,NH,NY,NC
tert-Butylbenzene	CT,NH,NY,NC
tert-Butylbenzene	CT,NH,NY,NC
tert-Butyl Ethyl Ether (TBEE)	NC
tert-Butyl Ethyl Ether (TBEE)	NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC
Chlorobenzene	CT,NH,NY,NC
Chlorobenzene	CT,NH,NY,NC
Chlorodibromomethane	CT,NH,NY,NC
Chlorodibromomethane	CT,NH,NY,NC
Chloroethane	CT,NH,NY,NC
Chloroethane	CT,NH,NY,NC
Chloroform	CT,NH,NY,NC
Chloroform	CT,NH,NY,NC
Chloromethane	CT,NH,NY,NC
Chloromethane	CT,NH,NY,NC
2-Chlorotoluene	CT,NH,NY,NC
2-Chlorotoluene	CT,NH,NY,NC
4-Chlorotoluene	CT,NH,NY,NC
4-Chlorotoluene	CT,NH,NY,NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260B in Soil</i>	
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dibromoethane (EDB)	NC
Dibromomethane	NH,NY,NC
Dibromomethane	NH,NY,NC
1,2-Dichlorobenzene	CT,NH,NY,NC
1,2-Dichlorobenzene	CT,NH,NY,NC
1,3-Dichlorobenzene	CT,NH,NY,NC
1,3-Dichlorobenzene	CT,NH,NY,NC
1,4-Dichlorobenzene	CT,NH,NY,NC
1,4-Dichlorobenzene	CT,NH,NY,NC
Dichlorodifluoromethane (Freon 12)	NY,NC
Dichlorodifluoromethane (Freon 12)	NY,NC
1,1-Dichloroethane	CT,NH,NY,NC
1,1-Dichloroethane	CT,NH,NY,NC
1,2-Dichloroethane	CT,NH,NY,NC
1,2-Dichloroethane	CT,NH,NY,NC
1,1-Dichloroethylene	CT,NH,NY,NC
1,1-Dichloroethylene	CT,NH,NY,NC
cis-1,2-Dichloroethylene	CT,NH,NY,NC
cis-1,2-Dichloroethylene	CT,NH,NY,NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC
1,2-Dichloropropane	CT,NH,NY,NC
1,2-Dichloropropane	CT,NH,NY,NC
1,3-Dichloropropane	NH,NY,NC
1,3-Dichloropropane	NH,NY,NC
2,2-Dichloropropane	NH,NY,NC
2,2-Dichloropropane	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC
trans-1,3-Dichloropropene	CT,NH,NY,NC
trans-1,3-Dichloropropene	CT,NH,NY,NC
Diethyl Ether	NC
Diethyl Ether	NC
Diisopropyl Ether (DIPE)	NC
Diisopropyl Ether (DIPE)	NC
1,4-Dioxane	NC
1,4-Dioxane	NC
Ethylbenzene	CT,NH,NY,NC
Ethylbenzene	CT,NH,NY,NC
Hexachlorobutadiene	NH,NY,NC
Hexachlorobutadiene	NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260B in Soil</i>	
2-Hexanone (MBK)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	CT,NH,NY,NC
p-Isopropyltoluene (p-Cymene)	NC
p-Isopropyltoluene (p-Cymene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	CT,NH,NY,NC
Methylene Chloride	CT,NH,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
Naphthalene	NH,NY,NC
Naphthalene	NH,NY,NC
n-Propylbenzene	NC
n-Propylbenzene	NC
Styrene	CT,NH,NY,NC
Styrene	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC
Tetrachloroethylene	CT,NH,NY,NC
Tetrachloroethylene	CT,NH,NY,NC
Tetrahydrofuran	NC
Tetrahydrofuran	NC
Toluene	CT,NH,NY,NC
Toluene	CT,NH,NY,NC
1,2,3-Trichlorobenzene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NH,NY,NC
1,2,4-Trichlorobenzene	NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC
1,1,2-Trichloroethane	CT,NH,NY,NC
1,1,2-Trichloroethane	CT,NH,NY,NC
Trichloroethylene	CT,NH,NY,NC
Trichloroethylene	CT,NH,NY,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,4-Trimethylbenzene	CT,NH,NY,NC
1,2,4-Trimethylbenzene	CT,NH,NY,NC
1,3,5-Trimethylbenzene	CT,NH,NY,NC
1,3,5-Trimethylbenzene	CT,NH,NY,NC
Vinyl Chloride	CT,NH,NY,NC
Vinyl Chloride	CT,NH,NY,NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260B in Soil</i>	
m+p Xylene	CT,NH,NY,NC
m+p Xylene	CT,NH,NY,NC
o-Xylene	CT,NH,NY,NC
o-Xylene	CT,NH,NY,NC
<i>SW-846 8270C in Soil</i>	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Soil</i>	
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011



Sample Receipt Checklist

 CLIENT NAME: TRC RECEIVED BY: CBS DATE: 12/8/10

 1) Was the chain(s) of custody relinquished and signed? Yes No

 2) Does the chain agree with the samples? Yes No

If not, explain:

 3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

 On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

 Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A

 Temperature °C by Temp blank 2.0°C Temperature °C by Temp gun _____

 5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

 6) Are there any samples "On Hold"? Yes No

 Stored where:

 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

 8) Location where samples are stored:

19

 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	18
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	24	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

Did not receive vials for ms/msd TP 201(3).

 40 mL vials: # HCl _____ # Methanol 8
 # Bisulfate _____ # DI Water 16
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

12-08-10 20:11 IN

 Do all samples have the proper Acid pH: Yes No N/A

 Do all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10L0242

Project Location: 29 Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10L0242-01 thru 10L0242-08

Matrices: Soil

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B (X)	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A (X)	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A (X)	6020 Metals CAM III D ()	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☒ Yes ☐ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☒ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Director

Printed Name: Michael A. Erickson

Date: 12/21/10

Meghan Kelley

From: McRobbie, John (Lowell,MA-US) [JMcRobbie@trcsolutions.com]
Sent: Wednesday, December 22, 2010 10:41 AM
To: mkelley@contestlabs.com
Cc: Denly, Elizabeth (Lowell,MA-US)
Subject: 29 Elm St. - Salisbury

Meghan-

As a follow-up to our discussion yesterday, I have asked for Contest to make the following changes to sample IDs:

- TP201 South (3') to TP201 South (3-3.5');
- TP203 (2.5') to TP203 (2.5-3.0');
- TP201 North (2') to TP201 North (2-2.5'); and
- TP204 (1.5') to TP204 (1.5-2.0')

John R. McRobbie
Project Geologist



TRC Corporation
650 Suffolk Street
Lowell, Massachusetts 01854
(978) 656-3503 (direct)
(978) 453-1995 (fax)
(978) 223-5827 (mobile)
JMcRobbie@trcsolutions.com

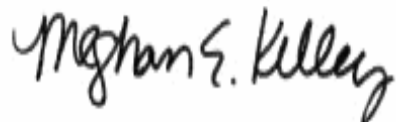
December 22, 2010

Ryan Niles
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: 29 Elm St., Salisbury, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10L0399

Enclosed are results of analyses for samples received by the laboratory on December 14, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Ryan Niles

REPORT DATE: 12/22/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10L0399

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 29 Elm St., Salisbury, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Vault 2-W	10L0399-01	Water		SW-846 6020A	
				SW-846 7470A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 12/22/2010 - For method 8260, pH qualifier added to sample 10L0399-01 (pH 5 - outside of method preservation criteria), and MA MCP certification form revised.

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**1,2,3-Trichlorobenzene, 2,2-Dichloropropane, Naphthalene**

10L0399-01[Vault 2-W], B023894-BLK1, B023894-BS1, B023894-BSD1

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.

Analyte & Samples(s) Qualified:**Tetrachloroethylene**

B023894-BS1, B023894-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:**Chloroform**

B023894-BS1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:**2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Chloromethane**

B023894-BS1, B023894-BSD1

pH of sample (pH 5) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

10L0399-01[Vault 2-W]

Elevated reporting limit based on lowest point in calibration.
MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:**1,2-Dibromo-3-chloropropane (DBCP), Bromoform, Methylene Chloride**

10L0399-01[Vault 2-W]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), 2,2-Dichloropropane, 2-Hexanone (MBK), Naphthalene**

10L0399-01[Vault 2-W], B023894-BLK1, B023894-BS1, B023894-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:**1,4-Dioxane**

10L0399-01[Vault 2-W], B023894-BLK1, B023894-BS1, B023894-BSD1

SW-846 8270C

Qualifications:

Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

10L0399-01[Vault 2-W]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol, 4-Nitrophenol, Bis(2-chloroisopropyl)ether

10L0399-01[Vault 2-W], B023796-BLK1, B023796-BS1, B023796-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

4-Nitrophenol, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Phenanthrene

B023796-BS1, B023796-BSD1

SW-846 8260B

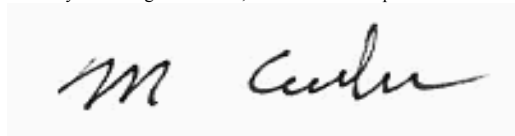
Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes limits are 15 and 140%: 2,4-dinitrophenol, 4-chloroaniline, 4-nitrophenol, and phenol.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Michael A. Erickson
Laboratory Director

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Benzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Bromoform	ND	5.0	µg/L	1	RL-07	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Carbon Disulfide	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Chloroethane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Chloroform	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Chloromethane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	RL-07, V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
2,2-Dichloropropane	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
cis-1,3-Dichloropropene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260B	12/18/10	12/19/10 11:51	TJR

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Hexachlorobutadiene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
2-Hexanone (MBK)	ND	10	µg/L	1	V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Naphthalene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Styrene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1	V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Toluene	1.5	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	L-04, V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2,4-Trichlorobenzene	ND	2.0	µg/L	1	V-05	SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260B	12/18/10	12/19/10 11:51	TJR
Surrogates	% Recovery	Recovery Limits	Flag						
1,2-Dichloroethane-d4	92.8	70-130							
Toluene-d8	99.9	70-130							
4-Bromofluorobenzene	96.5	70-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Sample Flags: RL-08

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Acenaphthylene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Acetophenone	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Aniline	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Anthracene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Benzo(a)anthracene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Benzo(a)pyrene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Benzo(b)fluoranthene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Benzo(g,h,i)perylene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Benzo(k)fluoranthene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Bis(2-chloroethoxy)methane	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Bis(2-chloroethyl)ether	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Bis(2-chloroisopropyl)ether	ND	40	µg/L	4	V-05	SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Bis(2-Ethylhexyl)phthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
4-Bromophenylphenylether	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Butylbenzylphthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
4-Chloroaniline	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2-Chloronaphthalene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2-Chlorophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Chrysene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Dibenz(a,h)anthracene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Dibenzofuran	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Di-n-butylphthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
1,2-Dichlorobenzene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
1,3-Dichlorobenzene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
1,4-Dichlorobenzene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
3,3-Dichlorobenzidine	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4-Dichlorophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Diethylphthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4-Dimethylphenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Dimethylphthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4-Dinitrophenol	ND	40	µg/L	4	V-05	SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4-Dinitrotoluene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,6-Dinitrotoluene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Di-n-octylphthalate	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Fluoranthene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Fluorene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Hexachlorobenzene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Hexachlorobutadiene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Hexachloroethane	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Indeno(1,2,3-cd)pyrene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Isophorone	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Sample Flags: RL-08

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylnaphthalene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2-Methylphenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
3/4-Methylphenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Naphthalene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Nitrobenzene	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2-Nitrophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
4-Nitrophenol	ND	40	µg/L	4	V-05	SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Pentachlorophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Phenanthrene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Phenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Pyrene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
1,2,4-Trichlorobenzene	ND	20	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4,5-Trichlorophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
2,4,6-Trichlorophenol	ND	40	µg/L	4		SW-846 8270C	12/16/10	12/21/10 1:20	BGL
Surrogates	% Recovery	Recovery Limits	Flag						
2-Fluorophenol	34.5	15-110							
Phenol-d6	16.9	15-110							
Nitrobenzene-d5	51.2	30-130							
2-Fluorobiphenyl	64.3	30-130							
2,4,6-Tribromophenol	73.2	15-110							
Terphenyl-d14	59.1	30-130							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
alpha-BHC [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
beta-BHC [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
delta-BHC [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
gamma-BHC (Lindane) [1]	ND	0.030	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Chlordane [1]	ND	0.20	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
4,4'-DDD [1]	ND	0.040	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
4,4'-DDE [1]	ND	0.040	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
4,4'-DDT [1]	ND	0.040	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Dieldrin [1]	ND	0.0020	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Endosulfan I [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Endosulfan II [1]	ND	0.080	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Endosulfan sulfate [1]	ND	0.080	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Endrin [1]	ND	0.080	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Endrin ketone [1]	ND	0.080	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Heptachlor [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Heptachlor epoxide [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Hexachlorobenzene [1]	ND	0.050	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Methoxychlor [1]	ND	0.50	µg/L	1		SW-846 8081A	12/16/10	12/18/10 19:21	JMB
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	38.0	30-150							
Decachlorobiphenyl [2]	43.5	30-150							
Tetrachloro-m-xylene [1]	47.2	30-150							
Tetrachloro-m-xylene [2]	60.3	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1254 [2]	0.42	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	12/16/10	12/18/10 12:30	PJG
Surrogates	% Recovery	Recovery Limits	Flag						
Decachlorobiphenyl [1]	38.4	30-150							
Decachlorobiphenyl [2]	41.4	30-150							
Tetrachloro-m-xylene [1]	55.9	30-150							
Tetrachloro-m-xylene [2]	62.1	30-150							

Project Location: 29 Elm St., Salisbury, MA

Sample Description:

Work Order: 10L0399

Date Received: 12/14/2010

Field Sample #: Vault 2-W

Sampled: 12/9/2010 15:20

Sample ID: 10L0399-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	11	1.0	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Arsenic	12	0.40	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Barium	2300	400	µg/L	40		SW-846 6020A	12/17/10	12/18/10 13:12	KSH
Beryllium	ND	0.40	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Cadmium	3.2	0.50	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Chromium	37	1.0	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Lead	350	40	µg/L	40		SW-846 6020A	12/17/10	12/18/10 13:12	KSH
Mercury	0.00047	0.00010	mg/L	1		SW-846 7470A	12/15/10	12/15/10 14:07	CWB
Nickel	8.2	5.0	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Selenium	ND	5.0	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Silver	ND	0.50	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Thallium	ND	0.20	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Vanadium	6.1	5.0	µg/L	1		SW-846 6020A	12/17/10	12/17/10 21:14	KSH
Zinc	1200	400	µg/L	40		SW-846 6020A	12/17/10	12/18/10 13:12	KSH

Sample Extraction Data**Prep Method: SW-846 3005A-SW-846 6020A**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023831	50.0	50.0	12/17/10

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023669	6.00	6.00	12/15/10

Prep Method: SW-846 3510C-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023794	1000	10.0	12/16/10

Prep Method: SW-846 3510C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023795	1000	10.0	12/16/10

Prep Method: SW-846 5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023894	5	5.00	12/18/10

Prep Method: SW-846 3510C-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10L0399-01 [Vault 2-W]	B023796	1000	1.00	12/16/10

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023894 - SW-846 5030B										
Blank (B023894-BLK1)				Prepared: 12/18/10 Analyzed: 12/19/10						
Acetone	ND	10	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	2.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							L-04, V-05
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							V-05
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							L-04, V-05

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023894 - SW-846 5030B										
Blank (B023894-BLK1)				Prepared: 12/18/10 Analyzed: 12/19/10						
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							V-05
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							L-04, V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.8		µg/L	25.0		95.2	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	23.3		µg/L	25.0		93.3	70-130			
LCS (B023894-BS1)				Prepared: 12/18/10 Analyzed: 12/19/10						
Acetone	171	10	µg/L	200		85.3	40-160			†
tert-Amyl Methyl Ether (TAME)	8.18	0.50	µg/L	10.0		81.8	70-130			
Benzene	10.8	1.0	µg/L	10.0		108	70-130			
Bromobenzene	10.1	1.0	µg/L	10.0		101	70-130			
Bromochloromethane	10.8	1.0	µg/L	10.0		108	70-130			
Bromodichloromethane	11.5	1.0	µg/L	10.0		115	70-130			
Bromoform	7.11	1.0	µg/L	10.0		71.1	70-130			
Bromomethane	11.4	2.0	µg/L	10.0		114	40-160			†
2-Butanone (MEK)	122	10	µg/L	200		61.2	40-160			L-14 †
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
tert-Butylbenzene	12.9	1.0	µg/L	10.0		129	70-130			
tert-Butyl Ethyl Ether (TBEE)	8.42	0.50	µg/L	10.0		84.2	70-130			
Carbon Disulfide	122	2.0	µg/L	100		122	70-130			
Carbon Tetrachloride	11.7	1.0	µg/L	10.0		117	70-130			
Chlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
Chlorodibromomethane	8.91	0.50	µg/L	10.0		89.1	70-130			
Chloroethane	11.1	2.0	µg/L	10.0		111	70-130			
Chloroform	13.5	2.0	µg/L	10.0		135 *	70-130			L-07
Chloromethane	13.9	2.0	µg/L	10.0		139	40-160			L-14 †
2-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130			
4-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	7.48	2.0	µg/L	10.0		74.8	70-130			V-05
1,2-Dibromoethane (EDB)	8.46	0.50	µg/L	10.0		84.6	70-130			
Dibromomethane	8.82	1.0	µg/L	10.0		88.2	70-130			
1,2-Dichlorobenzene	9.81	1.0	µg/L	10.0		98.1	70-130			
1,3-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,4-Dichlorobenzene	9.95	1.0	µg/L	10.0		99.5	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023894 - SW-846 5030B										
LCS (B023894-BS1)				Prepared: 12/18/10 Analyzed: 12/19/10						
Dichlorodifluoromethane (Freon 12)	11.4	2.0	µg/L	10.0		114	40-160			†
1,1-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130			
1,2-Dichloroethane	9.86	1.0	µg/L	10.0		98.6	70-130			
1,1-Dichloroethylene	12.3	1.0	µg/L	10.0		123	70-130			
cis-1,2-Dichloroethylene	11.0	1.0	µg/L	10.0		110	70-130			
trans-1,2-Dichloroethylene	12.7	1.0	µg/L	10.0		127	70-130			
1,2-Dichloropropane	11.0	1.0	µg/L	10.0		110	70-130			
1,3-Dichloropropane	8.82	0.50	µg/L	10.0		88.2	70-130			
2,2-Dichloropropane	5.85	1.0	µg/L	10.0		58.5	* 70-130			L-04, V-05
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130			
cis-1,3-Dichloropropene	9.24	0.50	µg/L	10.0		92.4	70-130			
trans-1,3-Dichloropropene	7.81	0.50	µg/L	10.0		78.1	70-130			
Diethyl Ether	109	2.0	µg/L	100		109	70-130			
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0		107	70-130			
1,4-Dioxane	84.6	50	µg/L	100		84.6	40-160			V-16 †
Ethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
Hexachlorobutadiene	9.74	0.50	µg/L	10.0		97.4	70-130			
2-Hexanone (MBK)	109	10	µg/L	200		54.6	40-160			L-14, V-05 †
Isopropylbenzene (Cumene)	12.4	1.0	µg/L	10.0		124	70-130			
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105	70-130			
Methyl tert-Butyl Ether (MTBE)	86.8	1.0	µg/L	110		78.9	70-130			
Methylene Chloride	12.1	5.0	µg/L	10.0		121	70-130			
4-Methyl-2-pentanone (MIBK)	85.8	10	µg/L	200		42.9	40-160			L-14 †
Naphthalene	5.21	2.0	µg/L	10.0		52.1	* 70-130			V-05, L-04
n-Propylbenzene	11.1	1.0	µg/L	10.0		111	70-130			
Styrene	10.6	1.0	µg/L	10.0		106	70-130			
1,1,1,2-Tetrachloroethane	9.08	1.0	µg/L	10.0		90.8	70-130			
1,1,1,2,2-Tetrachloroethane	7.06	0.50	µg/L	10.0		70.6	70-130			V-05
Tetrachloroethylene	85.8	1.0	µg/L	50.0		172	* 70-130			L-06
Tetrahydrofuran	71.1	2.0	µg/L	100		71.1	70-130			
Toluene	10.6	1.0	µg/L	10.0		106	70-130			
1,2,3-Trichlorobenzene	6.02	2.0	µg/L	10.0		60.2	* 70-130			L-04, V-05
1,2,4-Trichlorobenzene	7.00	1.0	µg/L	10.0		70.0	70-130			V-05
1,1,1-Trichloroethane	11.4	1.0	µg/L	10.0		114	70-130			
1,1,2-Trichloroethane	8.83	1.0	µg/L	10.0		88.3	70-130			
Trichloroethylene	11.1	1.0	µg/L	10.0		111	70-130			
Trichlorofluoromethane (Freon 11)	12.1	2.0	µg/L	10.0		121	70-130			
1,2,3-Trichloropropane	7.20	2.0	µg/L	10.0		72.0	70-130			
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106	70-130			
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130			
Vinyl Chloride	12.6	2.0	µg/L	10.0		126	70-130			
m+p Xylene	21.4	2.0	µg/L	20.0		107	70-130			
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.0		µg/L	25.0		95.9	70-130			
Surrogate: Toluene-d8	25.6		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.5	70-130			

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023894 - SW-846 5030B										
LCS Dup (B023894-BS01)				Prepared: 12/18/10 Analyzed: 12/19/10						
Acetone	161	10	µg/L	200		80.3	40-160	5.97	20	†
tert-Amyl Methyl Ether (TAME)	8.49	0.50	µg/L	10.0		84.9	70-130	3.72	20	
Benzene	10.5	1.0	µg/L	10.0		105	70-130	3.09	20	
Bromobenzene	9.81	1.0	µg/L	10.0		98.1	70-130	2.81	20	
Bromochloromethane	10.5	1.0	µg/L	10.0		105	70-130	2.25	20	
Bromodichloromethane	11.2	1.0	µg/L	10.0		112	70-130	2.82	20	
Bromoform	7.41	1.0	µg/L	10.0		74.1	70-130	4.13	20	
Bromomethane	11.7	2.0	µg/L	10.0		117	40-160	2.42	20	†
2-Butanone (MEK)	124	10	µg/L	200		61.9	40-160	1.29	20	L-14 †
n-Butylbenzene	9.69	1.0	µg/L	10.0		96.9	70-130	4.74	20	
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.35	20	
tert-Butylbenzene	12.5	1.0	µg/L	10.0		125	70-130	3.46	20	
tert-Butyl Ethyl Ether (TBEE)	8.50	0.50	µg/L	10.0		85.0	70-130	0.946	20	
Carbon Disulfide	113	2.0	µg/L	100		113	70-130	7.87	20	
Carbon Tetrachloride	11.4	1.0	µg/L	10.0		114	70-130	3.11	20	
Chlorobenzene	10.0	1.0	µg/L	10.0		100	70-130	1.97	20	
Chlorodibromomethane	8.81	0.50	µg/L	10.0		88.1	70-130	1.13	20	
Chloroethane	10.8	2.0	µg/L	10.0		108	70-130	3.11	20	
Chloroform	12.6	2.0	µg/L	10.0		126	70-130	7.12	20	
Chloromethane	12.1	2.0	µg/L	10.0		121	40-160	13.7	20	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	4.32	20	
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	3.78	20	
1,2-Dibromo-3-chloropropane (DBCP)	8.20	2.0	µg/L	10.0		82.0	70-130	9.18	20	V-05
1,2-Dibromoethane (EDB)	8.72	0.50	µg/L	10.0		87.2	70-130	3.03	20	
Dibromomethane	8.79	1.0	µg/L	10.0		87.9	70-130	0.341	20	
1,2-Dichlorobenzene	9.83	1.0	µg/L	10.0		98.3	70-130	0.204	20	
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	0.867	20	
1,4-Dichlorobenzene	9.74	1.0	µg/L	10.0		97.4	70-130	2.13	20	
Dichlorodifluoromethane (Freon 12)	10.1	2.0	µg/L	10.0		101	40-160	11.9	20	†
1,1-Dichloroethane	11.0	1.0	µg/L	10.0		110	70-130	6.02	20	
1,2-Dichloroethane	9.68	1.0	µg/L	10.0		96.8	70-130	1.84	20	
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130	7.50	20	
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	3.78	20	
trans-1,2-Dichloroethylene	12.0	1.0	µg/L	10.0		120	70-130	5.43	20	
1,2-Dichloropropane	10.6	1.0	µg/L	10.0		106	70-130	3.72	20	
1,3-Dichloropropane	9.02	0.50	µg/L	10.0		90.2	70-130	2.24	20	
2,2-Dichloropropane	6.45	1.0	µg/L	10.0		64.5 *	70-130	9.76	20	L-04, V-05
1,1-Dichloropropene	10.6	2.0	µg/L	10.0		106	70-130	3.53	20	
cis-1,3-Dichloropropene	9.69	0.50	µg/L	10.0		96.9	70-130	4.75	20	
trans-1,3-Dichloropropene	8.25	0.50	µg/L	10.0		82.5	70-130	5.48	20	
Diethyl Ether	104	2.0	µg/L	100		104	70-130	5.06	20	
Diisopropyl Ether (DIPE)	10.7	0.50	µg/L	10.0		107	70-130	0.187	20	
1,4-Dioxane	72.1	50	µg/L	100		72.1	40-160	15.9	20	V-16 †
Ethylbenzene	10.3	1.0	µg/L	10.0		103	70-130	2.77	20	
Hexachlorobutadiene	9.78	0.50	µg/L	10.0		97.8	70-130	0.410	20	
2-Hexanone (MBK)	110	10	µg/L	200		55.0	40-160	0.638	20	L-14, V-05 †
Isopropylbenzene (Cumene)	12.0	1.0	µg/L	10.0		120	70-130	2.96	20	
p-Isopropyltoluene (p-Cymene)	10.3	1.0	µg/L	10.0		103	70-130	2.11	20	
Methyl tert-Butyl Ether (MTBE)	87.1	1.0	µg/L	110		79.2	70-130	0.345	20	
Methylene Chloride	11.4	5.0	µg/L	10.0		114	70-130	6.20	20	
4-Methyl-2-pentanone (MIBK)	89.5	10	µg/L	200		44.8	40-160	4.20	20	L-14 †
Naphthalene	5.53	2.0	µg/L	10.0		55.3 *	70-130	5.96	20	L-04, V-05

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023894 - SW-846 5030B										
LCS Dup (B023894-BSD1)					Prepared: 12/18/10 Analyzed: 12/19/10					
n-Propylbenzene	10.2	1.0	µg/L	10.0		102	70-130	8.81	20	
Styrene	10.3	1.0	µg/L	10.0		103	70-130	3.44	20	
1,1,1,2-Tetrachloroethane	9.16	1.0	µg/L	10.0		91.6	70-130	0.877	20	
1,1,2,2-Tetrachloroethane	7.02	0.50	µg/L	10.0		70.2	70-130	0.568	20	V-05
Tetrachloroethylene	82.9	1.0	µg/L	50.0		166 *	70-130	3.47	20	L-06
Tetrahydrofuran	71.3	2.0	µg/L	100		71.3	70-130	0.323	20	
Toluene	10.4	1.0	µg/L	10.0		104	70-130	1.43	20	
1,2,3-Trichlorobenzene	6.31	2.0	µg/L	10.0		63.1 *	70-130	4.70	20	L-04, V-05
1,2,4-Trichlorobenzene	7.22	1.0	µg/L	10.0		72.2	70-130	3.09	20	V-05
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130	5.11	20	
1,1,2-Trichloroethane	8.76	1.0	µg/L	10.0		87.6	70-130	0.796	20	
Trichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	1.27	20	
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112	70-130	8.42	20	
1,2,3-Trichloropropane	7.42	2.0	µg/L	10.0		74.2	70-130	3.01	20	
1,2,4-Trimethylbenzene	10.5	1.0	µg/L	10.0		105	70-130	0.944	20	
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	3.69	20	
Vinyl Chloride	11.4	2.0	µg/L	10.0		114	70-130	10.2	20	
m+p Xylene	20.7	2.0	µg/L	20.0		103	70-130	3.66	20	
o-Xylene	10.4	1.0	µg/L	10.0		104	70-130	3.30	20	
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.5	70-130			
Surrogate: Toluene-d8	25.1		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.6		µg/L	25.0		98.2	70-130			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023796 - SW-846 3510C
Blank (B023796-BLK1)

Prepared: 12/16/10 Analyzed: 12/19/10

Acenaphthene	ND	5.0	µg/L							
Acenaphthylene	ND	5.0	µg/L							
Acetophenone	ND	10	µg/L							
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							
Benzo(a)anthracene	ND	5.0	µg/L							
Benzo(a)pyrene	ND	5.0	µg/L							
Benzo(b)fluoranthene	ND	5.0	µg/L							
Benzo(g,h,i)perylene	ND	5.0	µg/L							
Benzo(k)fluoranthene	ND	5.0	µg/L							
Bis(2-chloroethoxy)methane	ND	10	µg/L							
Bis(2-chloroethyl)ether	ND	10	µg/L							
Bis(2-chloroisopropyl)ether	ND	10	µg/L							V-05
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L							
4-Bromophenylphenylether	ND	10	µg/L							
Butylbenzylphthalate	ND	10	µg/L							
4-Chloroaniline	ND	10	µg/L							
2-Chloronaphthalene	ND	10	µg/L							
2-Chlorophenol	ND	10	µg/L							
Chrysene	ND	5.0	µg/L							
Dibenz(a,h)anthracene	ND	5.0	µg/L							
Dibenzofuran	ND	5.0	µg/L							
Di-n-butylphthalate	ND	10	µg/L							
1,2-Dichlorobenzene	ND	5.0	µg/L							
1,3-Dichlorobenzene	ND	5.0	µg/L							
1,4-Dichlorobenzene	ND	5.0	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							
2,4-Dichlorophenol	ND	10	µg/L							
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							
2,4-Dinitrotoluene	ND	10	µg/L							
2,6-Dinitrotoluene	ND	10	µg/L							
Di-n-octylphthalate	ND	10	µg/L							
1,2-Diphenylhydrazine (as Azobenzene)	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							
Fluorene	ND	5.0	µg/L							
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachloroethane	ND	10	µg/L							
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L							
Isophorone	ND	10	µg/L							
2-Methylnaphthalene	ND	5.0	µg/L							
2-Methylphenol	ND	10	µg/L							
3/4-Methylphenol	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
Nitrobenzene	ND	10	µg/L							
2-Nitrophenol	ND	10	µg/L							
4-Nitrophenol	ND	10	µg/L							
Pentachlorophenol	ND	10	µg/L							
Phenanthrene	ND	5.0	µg/L							

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023796 - SW-846 3510C
Blank (B023796-BLK1)

Prepared: 12/16/10 Analyzed: 12/19/10

Phenol	ND	10	µg/L							
Pyrene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	5.0	µg/L							
2,4,5-Trichlorophenol	ND	10	µg/L							
2,4,6-Trichlorophenol	ND	10	µg/L							
Surrogate: 2-Fluorophenol	185		µg/L	200		92.3	15-110			
Surrogate: Phenol-d6	176		µg/L	200		87.8	15-110			
Surrogate: Nitrobenzene-d5	69.2		µg/L	100		69.2	30-130			
Surrogate: 2-Fluorobiphenyl	76.9		µg/L	100		76.9	30-130			
Surrogate: 2,4,6-Tribromophenol	214		µg/L	200		107	15-110			
Surrogate: Terphenyl-d14	87.0		µg/L	100		87.0	30-130			

LCS (B023796-BS1)

Prepared: 12/16/10 Analyzed: 12/19/10

Acenaphthene	72.4	5.0	µg/L	100		72.4	40-140			
Acenaphthylene	68.6	5.0	µg/L	100		68.6	40-140			
Acetophenone	36.3	10	µg/L	50.0		72.5	40-140			
Aniline	68.3	5.0	µg/L	100		68.3	40-140			
Anthracene	68.6	5.0	µg/L	100		68.6	40-140			
Benzo(a)anthracene	79.3	5.0	µg/L	100		79.3	40-140			
Benzo(a)pyrene	80.1	5.0	µg/L	100		80.1	40-140			
Benzo(b)fluoranthene	99.5	5.0	µg/L	100		99.5	40-140			
Benzo(g,h,i)perylene	96.1	5.0	µg/L	100		96.1	40-140			V-06
Benzo(k)fluoranthene	56.1	5.0	µg/L	100		56.1	40-140			
Bis(2-chloroethoxy)methane	82.6	10	µg/L	100		82.6	40-140			
Bis(2-chloroethyl)ether	85.8	10	µg/L	100		85.8	40-140			
Bis(2-chloroisopropyl)ether	57.4	10	µg/L	100		57.4	40-140			V-05
Bis(2-Ethylhexyl)phthalate	83.1	10	µg/L	100		83.1	40-140			
4-Bromophenylphenylether	95.0	10	µg/L	100		95.0	40-140			
Butylbenzylphthalate	77.2	10	µg/L	100		77.2	40-140			
4-Chloroaniline	67.6	10	µg/L	100		67.6	15-140			†
2-Chloronaphthalene	67.4	10	µg/L	100		67.4	40-140			
2-Chlorophenol	73.4	10	µg/L	100		73.4	30-130			
Chrysene	75.1	5.0	µg/L	100		75.1	40-140			
Dibenz(a,h)anthracene	110	5.0	µg/L	100		110	40-140			V-06
Dibenzofuran	87.2	5.0	µg/L	100		87.2	40-140			
Di-n-butylphthalate	79.1	10	µg/L	100		79.1	40-140			
1,2-Dichlorobenzene	72.7	5.0	µg/L	100		72.7	40-140			
1,3-Dichlorobenzene	71.3	5.0	µg/L	100		71.3	40-140			
1,4-Dichlorobenzene	75.5	5.0	µg/L	100		75.5	40-140			
3,3-Dichlorobenzidine	85.2	10	µg/L	100		85.2	40-140			
2,4-Dichlorophenol	91.2	10	µg/L	100		91.2	30-130			
Diethylphthalate	78.4	10	µg/L	100		78.4	40-140			
2,4-Dimethylphenol	86.2	10	µg/L	100		86.2	30-130			
Dimethylphthalate	82.0	10	µg/L	100		82.0	40-140			
2,4-Dinitrophenol	87.3	10	µg/L	100		87.3	15-140			†
2,4-Dinitrotoluene	66.0	10	µg/L	100		66.0	40-140			
2,6-Dinitrotoluene	85.0	10	µg/L	100		85.0	40-140			
Di-n-octylphthalate	80.1	10	µg/L	100		80.1	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	91.7	10	µg/L	100		91.7	40-140			
Fluoranthene	71.2	5.0	µg/L	100		71.2	40-140			
Fluorene	74.4	5.0	µg/L	100		74.4	40-140			
Hexachlorobenzene	95.2	10	µg/L	100		95.2	40-140			

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023796 - SW-846 3510C
LCS (B023796-BS1)

Prepared: 12/16/10 Analyzed: 12/19/10

Hexachlorobutadiene	88.0	10	µg/L	100		88.0	40-140			
Hexachloroethane	76.3	10	µg/L	100		76.3	40-140			
Indeno(1,2,3-cd)pyrene	116	5.0	µg/L	100		116	40-140			V-06
Isophorone	79.4	10	µg/L	100		79.4	40-140			
2-Methylnaphthalene	75.5	5.0	µg/L	100		75.5	40-140			
2-Methylphenol	74.0	10	µg/L	100		74.0	30-130			
3/4-Methylphenol	77.0	10	µg/L	100		77.0	30-130			
Naphthalene	73.0	5.0	µg/L	100		73.0	40-140			
Nitrobenzene	75.6	10	µg/L	100		75.6	40-140			
2-Nitrophenol	89.2	10	µg/L	100		89.2	30-130			
4-Nitrophenol	66.0	10	µg/L	100		66.0	15-140			V-06 †
Pentachlorophenol	69.3	10	µg/L	100		69.3	30-130			
Phenanthrene	82.1	5.0	µg/L	100		82.1	40-140			V-06
Phenol	76.4	10	µg/L	100		76.4	15-140			†
Pyrene	68.4	5.0	µg/L	100		68.4	40-140			
1,2,4-Trichlorobenzene	87.5	5.0	µg/L	100		87.5	40-140			
2,4,5-Trichlorophenol	86.1	10	µg/L	100		86.1	30-130			
2,4,6-Trichlorophenol	86.4	10	µg/L	100		86.4	30-130			
Surrogate: 2-Fluorophenol	165		µg/L	200		82.4	15-110			
Surrogate: Phenol-d6	151		µg/L	200		75.5	15-110			
Surrogate: Nitrobenzene-d5	69.8		µg/L	100		69.8	30-130			
Surrogate: 2-Fluorobiphenyl	81.3		µg/L	100		81.3	30-130			
Surrogate: 2,4,6-Tribromophenol	205		µg/L	200		103	15-110			
Surrogate: Terphenyl-d14	85.8		µg/L	100		85.8	30-130			

LCS Dup (B023796-BS1)

Prepared: 12/16/10 Analyzed: 12/19/10

Acenaphthene	74.9	5.0	µg/L	100		74.9	40-140	3.35	20	
Acenaphthylene	70.6	5.0	µg/L	100		70.6	40-140	3.02	20	
Acetophenone	36.4	10	µg/L	50.0		72.8	40-140	0.303	20	
Aniline	64.8	5.0	µg/L	100		64.8	40-140	5.18	20	
Anthracene	70.2	5.0	µg/L	100		70.2	40-140	2.20	20	
Benzo(a)anthracene	81.8	5.0	µg/L	100		81.8	40-140	3.11	20	
Benzo(a)pyrene	83.8	5.0	µg/L	100		83.8	40-140	4.52	20	
Benzo(b)fluoranthene	98.4	5.0	µg/L	100		98.4	40-140	1.12	20	
Benzo(g,h,i)perylene	103	5.0	µg/L	100		103	40-140	6.77	20	V-06
Benzo(k)fluoranthene	66.1	5.0	µg/L	100		66.1	40-140	16.3	20	
Bis(2-chloroethoxy)methane	85.4	10	µg/L	100		85.4	40-140	3.29	20	
Bis(2-chloroethyl)ether	85.6	10	µg/L	100		85.6	40-140	0.210	20	
Bis(2-chloroisopropyl)ether	56.9	10	µg/L	100		56.9	40-140	1.01	20	V-05
Bis(2-Ethylhexyl)phthalate	85.4	10	µg/L	100		85.4	40-140	2.67	20	
4-Bromophenylphenylether	99.4	10	µg/L	100		99.4	40-140	4.53	20	
Butylbenzylphthalate	80.1	10	µg/L	100		80.1	40-140	3.73	20	
4-Chloroaniline	59.8	10	µg/L	100		59.8	15-140	12.2	20	†
2-Chloronaphthalene	71.2	10	µg/L	100		71.2	40-140	5.44	20	
2-Chlorophenol	72.8	10	µg/L	100		72.8	30-130	0.807	20	
Chrysene	76.4	5.0	µg/L	100		76.4	40-140	1.69	20	
Dibenz(a,h)anthracene	116	5.0	µg/L	100		116	40-140	5.59	20	V-06
Dibenzofuran	89.2	5.0	µg/L	100		89.2	40-140	2.29	20	
Di-n-butylphthalate	82.1	10	µg/L	100		82.1	40-140	3.70	20	
1,2-Dichlorobenzene	72.7	5.0	µg/L	100		72.7	40-140	0.0688	20	
1,3-Dichlorobenzene	69.8	5.0	µg/L	100		69.8	40-140	2.05	20	
1,4-Dichlorobenzene	74.6	5.0	µg/L	100		74.6	40-140	1.11	20	

QUALITY CONTROL
Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023796 - SW-846 3510C										
LCS Dup (B023796-BSD1)				Prepared: 12/16/10 Analyzed: 12/19/10						
3,3-Dichlorobenzidine	79.8	10	µg/L	100		79.8	40-140	6.52	20	
2,4-Dichlorophenol	95.8	10	µg/L	100		95.8	30-130	4.91	20	
Diethylphthalate	79.6	10	µg/L	100		79.6	40-140	1.49	20	
2,4-Dimethylphenol	90.9	10	µg/L	100		90.9	30-130	5.28	20	
Dimethylphthalate	70.7	10	µg/L	100		70.7	40-140	14.8	20	
2,4-Dinitrophenol	85.5	10	µg/L	100		85.5	15-140	2.10	20	†
2,4-Dinitrotoluene	67.2	10	µg/L	100		67.2	40-140	1.86	20	
2,6-Dinitrotoluene	71.1	10	µg/L	100		71.1	40-140	17.8	20	
Di-n-octylphthalate	85.0	10	µg/L	100		85.0	40-140	5.98	20	
1,2-Diphenylhydrazine (as Azobenzene)	94.8	10	µg/L	100		94.8	40-140	3.30	20	
Fluoranthene	72.5	5.0	µg/L	100		72.5	40-140	1.70	20	
Fluorene	75.2	5.0	µg/L	100		75.2	40-140	0.989	20	
Hexachlorobenzene	98.6	10	µg/L	100		98.6	40-140	3.56	20	
Hexachlorobutadiene	89.3	10	µg/L	100		89.3	40-140	1.53	20	
Hexachloroethane	75.8	10	µg/L	100		75.8	40-140	0.710	20	
Indeno(1,2,3-cd)pyrene	127	5.0	µg/L	100		127	40-140	9.28	20	V-06
Isophorone	82.1	10	µg/L	100		82.1	40-140	3.34	20	
2-Methylnaphthalene	79.1	5.0	µg/L	100		79.1	40-140	4.64	20	
2-Methylphenol	74.0	10	µg/L	100		74.0	30-130	0.0675	20	
3/4-Methylphenol	79.1	10	µg/L	100		79.1	30-130	2.72	20	
Naphthalene	74.2	5.0	µg/L	100		74.2	40-140	1.63	20	
Nitrobenzene	77.7	10	µg/L	100		77.7	40-140	2.74	20	
2-Nitrophenol	91.4	10	µg/L	100		91.4	30-130	2.50	20	
4-Nitrophenol	65.2	10	µg/L	100		65.2	15-140	1.13	20	V-06 †
Pentachlorophenol	71.4	10	µg/L	100		71.4	30-130	3.00	20	
Phenanthrene	85.3	5.0	µg/L	100		85.3	40-140	3.81	20	V-06
Phenol	75.7	10	µg/L	100		75.7	15-140	0.960	20	†
Pyrene	70.9	5.0	µg/L	100		70.9	40-140	3.56	20	
1,2,4-Trichlorobenzene	89.5	5.0	µg/L	100		89.5	40-140	2.29	20	
2,4,5-Trichlorophenol	91.1	10	µg/L	100		91.1	30-130	5.66	20	
2,4,6-Trichlorophenol	89.9	10	µg/L	100		89.9	30-130	4.03	20	
Surrogate: 2-Fluorophenol	157		µg/L	200		78.7	15-110			
Surrogate: Phenol-d6	149		µg/L	200		74.3	15-110			
Surrogate: Nitrobenzene-d5	70.3		µg/L	100		70.3	30-130			
Surrogate: 2-Fluorobiphenyl	83.7		µg/L	100		83.7	30-130			
Surrogate: 2,4,6-Tribromophenol	202		µg/L	200		101	15-110			
Surrogate: Terphenyl-d14	87.0		µg/L	100		87.0	30-130			

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023794 - SW-846 3510C										
Blank (B023794-BLK1)				Prepared: 12/16/10 Analyzed: 12/18/10						
Aldrin	ND	0.050	µg/L							
Aldrin [2C]	ND	0.050	µg/L							
alpha-BHC	ND	0.050	µg/L							
alpha-BHC [2C]	ND	0.050	µg/L							
beta-BHC	ND	0.050	µg/L							
beta-BHC [2C]	ND	0.050	µg/L							
delta-BHC	ND	0.050	µg/L							
delta-BHC [2C]	ND	0.050	µg/L							
gamma-BHC (Lindane)	ND	0.030	µg/L							
gamma-BHC (Lindane) [2C]	ND	0.030	µg/L							
Chlordane	ND	0.20	µg/L							
Chlordane [2C]	ND	0.20	µg/L							
4,4'-DDD	ND	0.040	µg/L							
4,4'-DDD [2C]	ND	0.040	µg/L							
4,4'-DDE	ND	0.040	µg/L							
4,4'-DDE [2C]	ND	0.040	µg/L							
4,4'-DDT	ND	0.040	µg/L							
4,4'-DDT [2C]	ND	0.040	µg/L							
Dieldrin	ND	0.0020	µg/L							
Dieldrin [2C]	ND	0.0020	µg/L							
Endosulfan I	ND	0.050	µg/L							
Endosulfan I [2C]	ND	0.050	µg/L							
Endosulfan II	ND	0.080	µg/L							
Endosulfan II [2C]	ND	0.080	µg/L							
Endosulfan Sulfate	ND	0.080	µg/L							
Endosulfan Sulfate [2C]	ND	0.080	µg/L							
Endrin	ND	0.080	µg/L							
Endrin [2C]	ND	0.080	µg/L							
Endrin Ketone	ND	0.080	µg/L							
Endrin Ketone [2C]	ND	0.080	µg/L							
Heptachlor	ND	0.050	µg/L							
Heptachlor [2C]	ND	0.050	µg/L							
Heptachlor Epoxide	ND	0.050	µg/L							
Heptachlor Epoxide [2C]	ND	0.050	µg/L							
Hexachlorobenzene	ND	0.050	µg/L							
Hexachlorobenzene [2C]	ND	0.050	µg/L							
Methoxychlor	ND	0.50	µg/L							
Methoxychlor [2C]	ND	0.50	µg/L							
Surrogate: Decachlorobiphenyl	2.24		µg/L	2.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.40		µg/L	2.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	1.88		µg/L	2.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.13		µg/L	2.00		107	30-150			

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023794 - SW-846 3510C
LCS (B023794-BS1)

Prepared: 12/16/10 Analyzed: 12/18/10

Aldrin	0.23	0.050	µg/L	0.200		113	40-140			
Aldrin [2C]	0.25	0.050	µg/L	0.200		124	40-140			
alpha-BHC	0.22	0.050	µg/L	0.200		112	40-140			
alpha-BHC [2C]	0.25	0.050	µg/L	0.200		125	40-140			
beta-BHC	0.21	0.050	µg/L	0.200		105	40-140			
beta-BHC [2C]	0.23	0.050	µg/L	0.200		113	40-140			
delta-BHC	0.19	0.050	µg/L	0.200		95.1	40-140			
delta-BHC [2C]	0.22	0.050	µg/L	0.200		110	40-140			
gamma-BHC (Lindane)	0.22	0.030	µg/L	0.200		111	40-140			
gamma-BHC (Lindane) [2C]	0.25	0.030	µg/L	0.200		123	40-140			
4,4'-DDD	0.25	0.040	µg/L	0.200		127	40-140			
4,4'-DDD [2C]	0.26	0.040	µg/L	0.200		128	40-140			
4,4'-DDE	0.24	0.040	µg/L	0.200		120	40-140			
4,4'-DDE [2C]	0.25	0.040	µg/L	0.200		126	40-140			
4,4'-DDT	0.25	0.040	µg/L	0.200		123	40-140			
4,4'-DDT [2C]	0.24	0.040	µg/L	0.200		120	40-140			
Dieldrin	0.24	0.0020	µg/L	0.200		122	40-140			
Dieldrin [2C]	0.26	0.0020	µg/L	0.200		128	40-140			
Endosulfan I	0.23	0.050	µg/L	0.200		115	40-140			
Endosulfan I [2C]	0.24	0.050	µg/L	0.200		122	40-140			
Endosulfan II	0.26	0.080	µg/L	0.200		128	40-140			
Endosulfan II [2C]	0.25	0.080	µg/L	0.200		124	40-140			
Endosulfan Sulfate	0.24	0.080	µg/L	0.200		121	40-140			
Endosulfan Sulfate [2C]	0.24	0.080	µg/L	0.200		120	40-140			
Endrin	0.26	0.080	µg/L	0.200		128	40-140			
Endrin [2C]	0.25	0.080	µg/L	0.200		126	40-140			
Endrin Ketone	0.24	0.080	µg/L	0.200		122	40-140			
Endrin Ketone [2C]	0.25	0.080	µg/L	0.200		124	40-140			
Heptachlor	0.14	0.050	µg/L	0.200		71.1	40-140			
Heptachlor [2C]	0.24	0.050	µg/L	0.200		122	40-140			
Heptachlor Epoxide	0.23	0.050	µg/L	0.200		117	40-140			
Heptachlor Epoxide [2C]	0.25	0.050	µg/L	0.200		124	40-140			
Hexachlorobenzene	0.21	0.050	µg/L	0.200		107	40-140			
Hexachlorobenzene [2C]	0.23	0.050	µg/L	0.200		115	40-140			
Methoxychlor	0.28	0.50	µg/L	0.200		140	40-140			
Methoxychlor [2C]	0.26	0.50	µg/L	0.200		128	40-140			
Surrogate: Decachlorobiphenyl	2.25		µg/L	2.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.38		µg/L	2.00		119	30-150			
Surrogate: Tetrachloro-m-xylene	1.92		µg/L	2.00		96.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.15		µg/L	2.00		107	30-150			

LCS Dup (B023794-BS1)

Prepared: 12/16/10 Analyzed: 12/18/10

Aldrin	0.24	0.050	µg/L	0.200		118	40-140	4.36	30	
Aldrin [2C]	0.26	0.050	µg/L	0.200		130	40-140	5.08	30	
alpha-BHC	0.23	0.050	µg/L	0.200		115	40-140	3.38	30	
alpha-BHC [2C]	0.26	0.050	µg/L	0.200		132	40-140	5.01	30	
beta-BHC	0.22	0.050	µg/L	0.200		109	40-140	3.75	30	
beta-BHC [2C]	0.24	0.050	µg/L	0.200		119	40-140	4.62	30	
delta-BHC	0.19	0.050	µg/L	0.200		96.7	40-140	1.68	30	
delta-BHC [2C]	0.22	0.050	µg/L	0.200		112	40-140	1.49	30	
gamma-BHC (Lindane)	0.23	0.030	µg/L	0.200		114	40-140	3.34	30	
gamma-BHC (Lindane) [2C]	0.26	0.030	µg/L	0.200		129	40-140	4.67	30	

QUALITY CONTROL
Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B023794 - SW-846 3510C										
LCS Dup (B023794-BSD1)				Prepared: 12/16/10 Analyzed: 12/18/10						
4,4'-DDD	0.27	0.040	µg/L	0.200		133	40-140	4.53	30	
4,4'-DDD [2C]	0.27	0.040	µg/L	0.200		135	40-140	5.45	30	
4,4'-DDE	0.25	0.040	µg/L	0.200		126	40-140	4.71	30	
4,4'-DDE [2C]	0.27	0.040	µg/L	0.200		133	40-140	5.64	30	
4,4'-DDT	0.26	0.040	µg/L	0.200		128	40-140	3.98	30	
4,4'-DDT [2C]	0.25	0.040	µg/L	0.200		126	40-140	4.59	30	
Dieldrin	0.26	0.0020	µg/L	0.200		129	40-140	5.47	30	
Dieldrin [2C]	0.27	0.0020	µg/L	0.200		135	40-140	5.46	30	
Endosulfan I	0.24	0.050	µg/L	0.200		122	40-140	5.55	30	
Endosulfan I [2C]	0.26	0.050	µg/L	0.200		129	40-140	5.72	30	
Endosulfan II	0.27	0.080	µg/L	0.200		133	40-140	4.02	30	
Endosulfan II [2C]	0.26	0.080	µg/L	0.200		131	40-140	5.39	30	
Endosulfan Sulfate	0.24	0.080	µg/L	0.200		122	40-140	0.950	30	
Endosulfan Sulfate [2C]	0.24	0.080	µg/L	0.200		120	40-140	0.767	30	
Endrin	0.27	0.080	µg/L	0.200		134	40-140	4.91	30	
Endrin [2C]	0.26	0.080	µg/L	0.200		132	40-140	5.28	30	
Endrin Ketone	0.26	0.080	µg/L	0.200		128	40-140	4.43	30	
Endrin Ketone [2C]	0.26	0.080	µg/L	0.200		130	40-140	4.47	30	
Heptachlor	0.15	0.050	µg/L	0.200		74.5	40-140	4.64	30	
Heptachlor [2C]	0.26	0.050	µg/L	0.200		128	40-140	5.05	30	
Heptachlor Epoxide	0.24	0.050	µg/L	0.200		122	40-140	4.78	30	
Heptachlor Epoxide [2C]	0.26	0.050	µg/L	0.200		130	40-140	5.16	30	
Hexachlorobenzene	0.22	0.050	µg/L	0.200		110	40-140	3.10	30	
Hexachlorobenzene [2C]	0.24	0.050	µg/L	0.200		121	40-140	5.25	30	
Methoxychlor	0.28	0.50	µg/L	0.200		138	40-140	1.12	30	
Methoxychlor [2C]	0.27	0.50	µg/L	0.200		133	40-140	4.17	30	
Surrogate: Decachlorobiphenyl	2.27		µg/L	2.00		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.40		µg/L	2.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	1.93		µg/L	2.00		96.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.15		µg/L	2.00		108	30-150			

QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023795 - SW-846 3510C
Blank (B023795-BLK1)

Prepared: 12/16/10 Analyzed: 12/18/10

Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	2.40		µg/L	2.00		120	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.29		µg/L	2.00		114	30-150			
Surrogate: Tetrachloro-m-xylene	2.06		µg/L	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.04		µg/L	2.00		102	30-150			

LCS (B023795-BS1)

Prepared: 12/16/10 Analyzed: 12/18/10

Aroclor-1016	0.56	0.20	µg/L	0.500		113	40-140			
Aroclor-1016 [2C]	0.57	0.20	µg/L	0.500		114	40-140			
Aroclor-1260	0.59	0.20	µg/L	0.500		119	40-140			
Aroclor-1260 [2C]	0.59	0.20	µg/L	0.500		118	40-140			
Surrogate: Decachlorobiphenyl	2.58		µg/L	2.00		129	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.45		µg/L	2.00		123	30-150			
Surrogate: Tetrachloro-m-xylene	2.34		µg/L	2.00		117	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.33		µg/L	2.00		116	30-150			

LCS Dup (B023795-BSD1)

Prepared: 12/16/10 Analyzed: 12/18/10

Aroclor-1016	0.54	0.20	µg/L	0.500		107	40-140	5.14	20	
Aroclor-1016 [2C]	0.55	0.20	µg/L	0.500		109	40-140	4.39	20	
Aroclor-1260	0.54	0.20	µg/L	0.500		109	40-140	8.77	20	
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		110	40-140	7.15	20	
Surrogate: Decachlorobiphenyl	2.32		µg/L	2.00		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.22		µg/L	2.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	2.17		µg/L	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.16		µg/L	2.00		108	30-150			

QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B023669 - SW-846 7470A Prep
Blank (B023669-BLK1)

Prepared & Analyzed: 12/15/10

Mercury	ND	0.00010	mg/L
---------	----	---------	------

LCS (B023669-BS1)

Prepared & Analyzed: 12/15/10

Mercury	0.00189	0.00010	mg/L	0.00200	94.4	80-120
---------	---------	---------	------	---------	------	--------

LCS Dup (B023669-BSD1)

Prepared & Analyzed: 12/15/10

Mercury	0.00186	0.00010	mg/L	0.00200	93.0	80-120	1.51	20
---------	---------	---------	------	---------	------	--------	------	----

Batch B023831 - SW-846 3005A
Blank (B023831-BLK1)

Prepared & Analyzed: 12/17/10

Antimony	ND	1.0	µg/L
Arsenic	ND	0.40	µg/L
Barium	ND	10	µg/L
Beryllium	ND	0.40	µg/L
Cadmium	ND	0.50	µg/L
Chromium	ND	1.0	µg/L
Lead	ND	1.0	µg/L
Nickel	ND	5.0	µg/L
Selenium	ND	5.0	µg/L
Silver	ND	0.50	µg/L
Thallium	ND	0.20	µg/L
Vanadium	ND	5.0	µg/L
Zinc	ND	10	µg/L

LCS (B023831-BS1)

Prepared & Analyzed: 12/17/10

Antimony	82.3	2.0	µg/L	100	82.3	80-120
Arsenic	97.4	0.80	µg/L	100	97.4	80-120
Barium	96.3	20	µg/L	100	96.3	80-120
Beryllium	91.8	0.80	µg/L	100	91.8	80-120
Cadmium	94.1	1.0	µg/L	100	94.1	80-120
Chromium	99.4	2.0	µg/L	100	99.4	80-120
Lead	95.0	2.0	µg/L	100	95.0	80-120
Nickel	99.7	10	µg/L	100	99.7	80-120
Selenium	88.7	10	µg/L	100	88.7	80-120
Silver	103	1.0	µg/L	100	103	80-120
Thallium	94.6	0.40	µg/L	100	94.6	80-120
Vanadium	94.2	10	µg/L	100	94.2	80-120
Zinc	101	20	µg/L	100	101	80-120

LCS Dup (B023831-BSD1)

Prepared & Analyzed: 12/17/10

Antimony	81.6	2.0	µg/L	100	81.6	80-120	0.788	20
Arsenic	96.9	0.80	µg/L	100	96.9	80-120	0.561	20
Barium	94.1	20	µg/L	100	94.1	80-120	2.25	20
Beryllium	89.1	0.80	µg/L	100	89.1	80-120	2.96	20
Cadmium	90.8	1.0	µg/L	100	90.8	80-120	3.55	20
Chromium	96.3	2.0	µg/L	100	96.3	80-120	3.19	20
Lead	93.0	2.0	µg/L	100	93.0	80-120	2.18	20
Nickel	92.7	10	µg/L	100	92.7	80-120	7.21	20
Selenium	90.3	10	µg/L	100	90.3	80-120	1.77	20
Silver	97.9	1.0	µg/L	100	97.9	80-120	5.20	20
Thallium	92.7	0.40	µg/L	100	92.7	80-120	2.10	20
Vanadium	94.4	10	µg/L	100	94.4	80-120	0.143	20
Zinc	93.9	20	µg/L	100	93.9	80-120	7.12	20

BREAKDOWN REPORT

Lab Sample ID: S000566-PEM1 Analyzed: 12/18/2010

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.00
Endrin [1]	0.92

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.00
Endrin [2]	1.07

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-06	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
PR-08	pH of sample (pH 5) is outside of method specified preservation criteria.
RL-07	Elevated reporting limit based on lowest point in calibration. MA CAM reporting limit not met.
RL-08	Elevated reporting limit due to sample matrix interference. MA CAM reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 6020A in Water</i>	
Antimony	CT,NH,NY,RI,NC
Arsenic	CT,NH,NY,RI,NC
Barium	CT,NH,NY,RI,NC
Beryllium	CT,NH,NY,RI,NC
Cadmium	CT,NH,NY,RI,NC
Chromium	CT,NH,NY,RI,NC
Lead	CT,NH,NY,RI,NC
Nickel	CT,NH,NY,RI,NC
Selenium	CT,NH,NY,RI,NC
Silver	CT,NH,NY,RI,NC
Thallium	CT,NH,NY,RI,NC
Vanadium	CT,NC,NH,NY,RI
Zinc	CT,NH,NY,RI,NC
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,RI,NC
<i>SW-846 8081A in Product/Solid</i>	
Aldrin	CT,NC,NH,NY
Aldrin [2C]	CT,NC,NH,NY
alpha-BHC	CT,NC,NH,NY
alpha-BHC [2C]	CT,NC,NH,NY
beta-BHC	CT,NC,NH,NY
beta-BHC [2C]	CT,NC,NH,NY
delta-BHC	CT,NC,NH,NY
delta-BHC [2C]	CT,NC,NH,NY
gamma-BHC (Lindane)	CT,NC,NH,NY
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY
Chlordane	CT,NC,NH,NY
Chlordane [2C]	CT,NC,NH,NY
4,4'-DDD	CT,NC,NH,NY
4,4'-DDD [2C]	CT,NC,NH,NY
4,4'-DDE	CT,NC,NH,NY
4,4'-DDE [2C]	CT,NC,NH,NY
4,4'-DDT	CT,NC,NH,NY
4,4'-DDT [2C]	CT,NC,NH,NY
Dieldrin	CT,NC,NH,NY
Dieldrin [2C]	CT,NC,NH,NY
Endosulfan I	CT,NC,NH,NY
Endosulfan I [2C]	CT,NC,NH,NY
Endosulfan II	CT,NC,NH,NY
Endosulfan II [2C]	CT,NC,NH,NY
Endosulfan Sulfate	CT,NC,NH,NY
Endosulfan Sulfate [2C]	CT,NC,NH,NY
Endrin	CT,NC,NH,NY
Endrin [2C]	CT,NC,NH,NY
Heptachlor	CT,NC,NH,NY
Heptachlor [2C]	CT,NC,NH,NY

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8081A in Product/Solid</i>	
Heptachlor Epoxide	CT,NC,NH,NY
Heptachlor Epoxide [2C]	CT,NC,NH,NY
Hexachlorobenzene	NH
Hexachlorobenzene [2C]	NH
Methoxychlor	CT,NC,NH,NY
Methoxychlor [2C]	CT,NC,NH,NY
<i>SW-846 8081A in Water</i>	
Aldrin	CT,NC,NH,NY,RI
Aldrin [2C]	CT,NC,NH,NY,RI
alpha-BHC	CT,NC,NH,NY,RI
alpha-BHC [2C]	CT,NC,NH,NY,RI
beta-BHC	CT,NC,NH,NY,RI
beta-BHC [2C]	CT,NC,NH,NY,RI
delta-BHC	CT,NC,NH,NY,RI
delta-BHC [2C]	CT,NC,NH,NY,RI
gamma-BHC (Lindane)	CT,NC,NH,NY,RI
gamma-BHC (Lindane) [2C]	CT,NC,NH,NY,RI
Chlordane	CT,NC,NH,NY,RI
Chlordane [2C]	CT,NC,NH,NY,RI
4,4'-DDD	CT,NC,NH,NY,RI
4,4'-DDD [2C]	CT,NC,NH,NY,RI
4,4'-DDE	CT,NC,NH,NY,RI
4,4'-DDE [2C]	CT,NC,NH,NY,RI
4,4'-DDT	CT,NC,NH,NY,RI
4,4'-DDT [2C]	CT,NC,NH,NY,RI
Dieldrin	CT,NC,NH,NY,RI
Dieldrin [2C]	CT,NC,NH,NY,RI
Endosulfan I	CT,NC,NH,NY,RI
Endosulfan I [2C]	CT,NC,NH,NY,RI
Endosulfan II	CT,NC,NH,NY,RI
Endosulfan II [2C]	CT,NC,NH,NY,RI
Endosulfan Sulfate	CT,NC,NH,NY,RI
Endosulfan Sulfate [2C]	CT,NC,NH,NY,RI
Endrin	CT,NC,NH,NY,RI
Endrin [2C]	CT,NC,NH,NY,RI
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NC,NH,NY,RI
Heptachlor [2C]	CT,NC,NH,NY,RI
Heptachlor Epoxide	CT,NC,NH,NY,RI
Heptachlor Epoxide [2C]	CT,NC,NH,NY,RI
Hexachlorobenzene	NC,NH,RI
Hexachlorobenzene [2C]	NC,NH,RI
Methoxychlor	CT,NC,NH,NY,RI
Methoxychlor [2C]	CT,NC,NH,NY,RI
Decachlorobiphenyl	NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081A in Water	
Decachlorobiphenyl [2C]	NC
Tetrachloro-m-xylene	NC
Tetrachloro-m-xylene [2C]	NC
SW-846 8082 in Water	
Aroclor-1016	CT,NH,NY,RI,NC
Aroclor-1016 [2C]	CT,NH,NY,RI,NC
Aroclor-1221	CT,NH,NY,RI,NC
Aroclor-1221 [2C]	CT,NH,NY,RI,NC
Aroclor-1232	CT,NH,NY,RI,NC
Aroclor-1232 [2C]	CT,NH,NY,RI,NC
Aroclor-1242	CT,NH,NY,RI,NC
Aroclor-1242 [2C]	CT,NH,NY,RI,NC
Aroclor-1248	CT,NH,NY,RI,NC
Aroclor-1248 [2C]	CT,NH,NY,RI,NC
Aroclor-1254	CT,NH,NY,RI,NC
Aroclor-1254 [2C]	CT,NH,NY,RI,NC
Aroclor-1260	CT,NH,NY,RI,NC
Aroclor-1260 [2C]	CT,NH,NY,RI,NC
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260B in Water	
Acetone	CT,NH,NY,NC
tert-Amyl Methyl Ether (TAME)	NH,NY,NC
Benzene	CT,NH,NY,NC,RI
Bromobenzene	NC
Bromochloromethane	NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC,RI
Bromoform	CT,NH,NY,NC,RI
Bromomethane	CT,NH,NY,NC,RI
2-Butanone (MEK)	CT,NH,NY,NC
n-Butylbenzene	NY,NC
sec-Butylbenzene	NY,NC
tert-Butylbenzene	NY,NC
tert-Butyl Ethyl Ether (TBEE)	NH,NY,NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC,RI
Chlorobenzene	CT,NH,NY,NC,RI
Chlorodibromomethane	CT,NH,NY,NC,RI
Chloroethane	CT,NH,NY,NC,RI
Chloroform	CT,NH,NY,NC,RI
Chloromethane	CT,NH,NY,NC,RI
2-Chlorotoluene	NY,NC
4-Chlorotoluene	NY,NC
1,2-Dibromo-3-chloropropane (DBCP)	NC

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8260B in Water</i>	
1,2-Dibromoethane (EDB)	NC
Dibromomethane	NH,NY,NC
1,2-Dichlorobenzene	CT,NY,NC,RI
1,3-Dichlorobenzene	CT,NH,NY,NC,RI
1,4-Dichlorobenzene	CT,NH,NY,NC,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,NC,RI
1,1-Dichloroethane	CT,NH,NY,NC,RI
1,2-Dichloroethane	CT,NH,NY,NC,RI
1,1-Dichloroethylene	CT,NH,NY,NC,RI
cis-1,2-Dichloroethylene	NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC,RI
1,2-Dichloropropane	CT,NH,NY,NC,RI
1,3-Dichloropropane	NY,NC
2,2-Dichloropropane	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC,RI
trans-1,3-Dichloropropene	CT,NH,NY,NC,RI
Diethyl Ether	NC
Diisopropyl Ether (DIPE)	NH,NY,NC
1,4-Dioxane	NC
Ethylbenzene	CT,NH,NY,NC,RI
Hexachlorobutadiene	CT,NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	NY,NC
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,NC
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,NC
Methylene Chloride	CT,NH,NY,NC,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
Naphthalene	NH,NY,NC
n-Propylbenzene	CT,NH,NY,NC
Styrene	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC,RI
Tetrachloroethylene	CT,NH,NY,NC,RI
Tetrahydrofuran	NC
Toluene	CT,NH,NY,NC,RI
1,2,3-Trichlorobenzene	NH,NY,NC
1,2,4-Trichlorobenzene	CT,NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC,RI
1,1,2-Trichloroethane	CT,NH,NY,NC,RI
Trichloroethylene	CT,NH,NY,NC,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC,RI
1,2,3-Trichloropropane	NH,NY,NC
1,2,4-Trimethylbenzene	NY,NC
1,3,5-Trimethylbenzene	NY,NC
Vinyl Chloride	CT,NH,NY,NC,RI
m+p Xylene	CT,NH,NY,NC,RI

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Water	
o-Xylene	CT,NH,NY,NC,RI
SW-846 8270C in Water	
Acenaphthene	CT,NY,NH,RI
Acenaphthylene	CT,NY,NH,RI
Aniline	CT,NY
Anthracene	CT,NY,NH,RI
Benzo(a)anthracene	CT,NY,NH,RI
Benzo(a)pyrene	CT,NY,NH,RI
Benzo(b)fluoranthene	CT,NY,NH,RI
Benzo(g,h,i)perylene	CT,NY,NH,RI
Benzo(k)fluoranthene	CT,NY,NH,RI
Bis(2-chloroethoxy)methane	CT,NY,NH,RI
Bis(2-chloroethyl)ether	CT,NY,NH,RI
Bis(2-chloroisopropyl)ether	CT,NY,NH,RI
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,RI
4-Bromophenylphenylether	CT,NY,NH,RI
Butylbenzylphthalate	CT,NY,NH,RI
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH,RI
2-Chlorophenol	CT,NY,NH,RI
Chrysene	CT,NY,NH,RI
Dibenz(a,h)anthracene	CT,NY,NH,RI
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH,RI
1,2-Dichlorobenzene	CT,NY,NH,RI
1,3-Dichlorobenzene	CT,NY,NH,RI
1,4-Dichlorobenzene	CT,NY,NH,RI
3,3-Dichlorobenzidine	CT,NY,NH,RI
2,4-Dichlorophenol	CT,NY,NH,RI
Diethylphthalate	CT,NY,NH,RI
2,4-Dimethylphenol	CT,NY,NH,RI
Dimethylphthalate	CT,NY,NH,RI
2,4-Dinitrophenol	CT,NY,NH,RI
2,4-Dinitrotoluene	CT,NY,NH,RI
2,6-Dinitrotoluene	CT,NY,NH,RI
Di-n-octylphthalate	CT,NY,NH,RI
Fluoranthene	CT,NY,NH,RI
Fluorene	NY,NH,RI
Hexachlorobenzene	CT,NY,NH,RI
Hexachlorobutadiene	CT,NY,NH,RI
Hexachloroethane	CT,NY,NH,RI
Indeno(1,2,3-cd)pyrene	CT,NY,NH,RI
Isophorone	CT,NY,NH,RI
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8270C in Water</i>	
Naphthalene	CT,NY,NH,RI
Nitrobenzene	CT,NY,NH,RI
2-Nitrophenol	CT,NY,NH,RI
4-Nitrophenol	CT,NY,NH,RI
Pentachlorophenol	CT,NY,NH,RI
Phenanthrene	CT,NY,NH,RI
Phenol	CT,NY,NH,RI
Pyrene	CT,NY,NH,RI
1,2,4-Trichlorobenzene	CT,NY,NH,RI
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH,RI

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Public Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

Sample Receipt Checklist

 CLIENT NAME: TRE RECEIVED BY: CAB DATE: 12/10/10
1) Was the chain(s) of custody relinquished and signed? Yes No2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

 On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
Were the samples received in Temperature Compliance of (2-6°C)? Yes No N/A
 Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.3°C
5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"?

Yes NoStored where: 19

7) Are there any RUSH or SHORT HOLDING TIME samples?

Yes Nous
12/10/10

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19
 Permission to subcontract samples? Yes No
 (Walk-in clients only) if not already approved
 Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	<u>3</u>	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	<u>1</u>	Air Cassette	
40 mL Vial - type listed below	<u>3</u>	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

 40 mL vials: # HCl 3 # Methanol _____
 # Bisulfate _____ # DI Water _____
 # Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No N/ADo all samples have the proper Base pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory

Project #: 10L0399

Project Location: 29 Elm St., Salisbury, MA

RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
10L0399-01

Matrices: Water

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB (X)	MassDEP VPH CAM IV A ()	8081 Pesticides CAM V B (X)	7196 Hex Cr CAM VI B ()	MassDEP APH CAM IX A ()
8270 SVOC CAM II B (X)	7010 Metals CAM III C ()	MassDEP EPH CAM IV A ()	8151 Herbicides CAM V C ()	8330 Explosives CAM VIII A ()	TO-15 VOC CAM IX B ()
6010 Metals CAM III A ()	6020 Metals CAM III D (X)	8082 PCB CAM V A (X)	9014 Total Cyanide/PAC CAM VI A ()	6860 Perchlorate CAM VIII B ()	

Affirmative response to Questions A through F is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☐ Yes ☒ No ¹
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	☒ Yes ☐ No ¹
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☒ Yes ☐ No ¹
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☒ Yes ☐ No ¹
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes ☐ No ¹
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes ☐ No ¹
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Questions A through E)?	☒ Yes ☐ No ¹

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes ☒ No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	☐ Yes ☒ No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☒ Yes ☐ No ¹

¹ All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: 

Position: Laboratory Director

Printed Name: Michael A. Erickson

Date: 12/22/10

APPENDIX D

DATA USABILITY ASSESSMENT

29 Elm Street Site, Salisbury, MA

Data Usability Assessment

The data associated with soil samples collected on April 18, 2008 and groundwater samples collected on April 25, 2008 were reviewed. In general, the data are usable for MCP decisions based on a review of accuracy, precision, and sensitivity of the data. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes with the following cautions.

- Caution should be used with the dibenz(a,h)anthracene result in sample TP-05/3 due to field duplicate variability. The field duplicate result exceeds the project action level while the original sample result is below the project action level. In order to remain conservative, the result from the field duplicate sample should be used for decision-making purposes.
- Caution should be used with the antimony result in sample TP-05/3 due to field duplicate variability. The original sample result exceeds the project action level while the field duplicate result is nondetect and below the project action level. In order to remain conservative, the result from the original sample should be used for decision-making purposes. Due to this variability, potential uncertainty exists for all nondetect results for antimony in soil samples.

Details on the data usability assessment are provided below.

Soil Samples Included in the Data Usability Assessment: B-1/MW1/3-4, B-2/MW2/3-4, B-3/MW3/0-1, TP-01/4, TP-02, TP-03/3, TP-04/7, TP-05/3, TP-06/2, TP-07/6, TP-08/2

Aqueous Sample Included in the Data Usability Assessment: TP-02

Groundwater Samples Included in the Data Usability Assessment: MW-1, MW-2, MW-3

Field Duplicates: TP-01/4 (PCB Aroclors), TP-03/3 (VPH, EPH), TP-05/3 (SVOCs, metals), MW-3 (VOCs, VPH, EPH, SVOCs, metals)

MS/MSDs or MS/DUPs: TP-04/7 (SVOCs, metals), TP-06/2 (VPH), MW-2 (SVOCs, metals)

QAPP Discrepancies:

- A trip blank was not submitted with the groundwater samples for VPH analysis. However, a trip blank was submitted for VOC analysis. Since the VOC analysis of the trip blank exhibited nondetect results for all VOCs and since all VPH results were nondetect, the lack of a trip blank for VPH analysis did not have an adverse effect on the data usability.
- Due to field observations, select soil and groundwater samples were submitted for VOC analysis, although not planned for in the QAPP.

I. Soil Samples and Aqueous Sample TP-02

There were no biases or uncertainty associated with the VPH, PCB Aroclor, and metals analyses of the soil samples and TP-02 (Water). Sensitivity was acceptable for the EPH, PCB Aroclor, and metals analyses (i.e., quantitation limits for all nondetect results were below the applicable

S-1 Reportable Concentrations [RCs]). Sensitivity was not acceptable for select VOCs, VPH target analytes, and SVOCs (i.e., nondetect results exhibited quantitation limits above the applicable S-1 RCs). The following table summarizes the affected samples and compounds.

Compound Affected	Affected Samples	S-1 RC (mg/kg)	Quantitation Limit Range (mg/kg)
Acetone	TP-02 (Soil), TP-07/6, TP-08/2	6	16 – 33
Bromodichloromethane, 1,2-Dichloroethane, 1,2- Dichloropropane, 2,2- Dichloropropane, 1,1,1,2- Tetrachloroethane, 1,1,2- Trichloroethane	TP-02 (Soil), TP-07/6, TP-08/2	0.1	0.32 – 0.65
Bromoform, MTBE	TP-02 (Soil), TP-07/6, TP-08/2	0.1	0.63 – 1.3
Bromomethane	TP-02 (Soil), TP-07/6, TP-08/2	0.5	1.6 – 3.3
Methyl Ethyl Ketone	TP-02 (Soil), TP-07/6, TP-08/2	4	6.3 – 13
Dibromochloromethane, 1,1,2,2-Tetrachloroethane	TP-02 (Soil), TP-07/6, TP-08/2	0.005	0.16 – 0.33
Chloroform	TP-02 (Soil), TP-07/6, TP-08/2	0.3	0.63 – 1.3
Ethylene dibromide	TP-02 (Soil), TP-07/6, TP-08/2	0.1	0.16 – 0.33
1,1-Dichloroethane	TP-02 (Soil)	0.4	0.65
cis-1,2-Dichloroethene, Trichloroethene	TP-02 (Soil), TP-07/6, TP-08/2	0.3	0.32 – 0.65
1,1-Dichloropropene	TP-02 (Soil), TP-07/6, TP-08/2	0.01	0.32 – 0.65
cis-1,3-Dichloropropene, trans-1,3-Dichloropropene	TP-02 (Soil), TP-07/6, TP-08/2	0.01	0.16 – 0.33
1,4-Dioxane	TP-02 (Soil), TP-07/6, TP-08/2	0.2	16 – 33
Methylene chloride	TP-02 (Soil), TP-07/6, TP-08/2	0.1	3.2 – 6.5
Methyl isobutyl ketone	TP-07/6, TP-08/2	0.4	3.2 – 3.5
Vinyl chloride	TP-02 (Soil), TP-07/6, TP-08/2	0.6	1.6 – 3.3
MTBE (VPH)	B-3/MW-3/0-1, TP-02 (Soil), TP-05/3	0.1	0.111 – 0.154
Bis(2-chloroethyl)ether, 2,2'-oxybis(1- chloropropane), 2- Chlorophenol, 1,4- Dichlorobenzene, 2,4- Dichlorophenol, 2,4- Dimethylphenol, 2,4- Dinitrotoluene, Hexachlorobenzene, Hexachloroethane, 2- Methylnaphthalene, 2,4,6- Trichlorophenol	TP-02 (Soil)	0.7	2.47
4-Chloroaniline	TP-02 (Soil)	1	4.93
1,3-Dichlorobenzene, Phenol	TP-02 (Soil)	1	2.47
3,3'-Dichlorobenzidine	TP-02 (Soil)	1	1.24
2,4-Dinitrophenol	TP-02 (Soil)	3	4.93
1,2,4-Trichlorobenzene	TP-02 (Soil)	2	2.47

In general, the decision-making process was not adversely affected by the sensitivity issues noted above. In the case of the issues listed above, these analytes were either not potential contaminants of concern at this site or the quantitation limits exceeded the standard by an insignificant amount.

A. Low-Biased Results

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
TP-02 (Water)	Chloromethane	Low recoveries in LCS and LCS Duplicate	Nondetect result for chloromethane significantly below GW-2 RC.
TP-02 (Soil)	Aniline, 4-chloroaniline, 2,4-dinitrophenol, pentachlorophenol	Low recoveries in LCS and LCS Duplicate	Nondetect results for these compounds either significantly below the project action levels or not a contaminant of concern for this site.

B. High-Biased Results

Potential high bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
All soil samples	Trans-1,3-dichloropropene, 1,2-dibromo-3-chloropropane	High recoveries in LCS and LCS Duplicate	Affected compounds not detected in soil samples.
TP-02 (Water)	Acetone, methyl isobutyl ketone, bromomethane	High recoveries in LCS and/or LCS Duplicate	Positive and nondetect results for affected compounds below GW-2 RCs in sample TP-02 (Water).
TP-04/7	2-Methylphenol, 3&4-methylphenol, acetophenone	High recoveries in MS	Affected compounds not detected in sample TP-04/7.
All soil samples except TP-02 (Soil)	Fluoranthene (SVOC)	High recovery in MS	Positive and nondetect results for fluoranthene below project action level.

C. Potential Uncertainty

It should be noted that the result for dibenz(a,h)anthracene exceeded the project action level in the field duplicate sample from TP-05/3 but was below the project action level in the original sample. Although the variability in the detected values was within the acceptance limits, the result from the field duplicate sample should be used for decision-making purposes in order to remain conservative.

Potential uncertainty exists for antimony results in all soil samples due to variability in the field duplicate pair (antimony was detected in the original sample at a concentration almost 10x higher than the quantitation limit and was not detected in the field duplicate sample). In order to remain conservative, the result for antimony in the original sample TP-05/3 should be used for decision-

making purposes since antimony was not detected in the field duplicate sample. Nondetect results for antimony in soil samples should be used with caution due to this variability.

In general, the overall data usability and decision-making process were not affected by the remaining QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Uncertainty	Reason Data Usability or Decision-making Process Not Affected
TP-04/7	Aniline, benzo(g,h,i)perylene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, 2,4-dinitrophenol, 2-methylphenol, 3&4-methylphenol, acetophenone	MS/MSD variability	Nondetect results for affected compounds significantly below the project action levels in sample TP-04/7.
TP-02 (Soil) and TP-05/3	C ₉ -C ₁₈ aliphatics, C ₁₉ -C ₃₆ aliphatics	LCS/LCS duplicate variability	Positive or nondetect results for these hydrocarbon ranges significantly below project action levels in affected samples.
TP-05/3	Anthracene, benzo(a)anthracene, acenaphthene, chrysene	Field duplicate variability	Although variable, results consistently below project action levels in both the original and field duplicate samples.

II. Groundwater Samples

There were no biases or uncertainty associated with the VPH, EPH, and metals analyses of the groundwater samples. Sensitivity was acceptable for the VOC, VPH, EPH, and metals analyses (i.e., quantitation limits for all nondetect results were below the applicable GW-2 RCs). Sensitivity was not acceptable for select SVOCs (i.e., nondetect results exhibited quantitation limits above the applicable GW-2 RCs). The following table summarizes the affected samples and compounds.

Compound Affected	Affected Samples	GW-2 RC (ug/L)	Quantitation Limit (ug/L)
Hexachlorobenzene, hexachlorobutadiene	All groundwater samples	1	10

In general, the decision-making process was not adversely affected by the sensitivity issues noted above as these analytes were not potential contaminants of concern at this site.

A. Low-Biased Results

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
MW-2	Aniline, 4-nitrophenol	Low recoveries in MS and/or MSD	Nondetect results for these compounds significantly below project action levels in sample MW-2.
All groundwater samples	Hexachloroethane, 4-nitrophenol	Low recoveries in LCS and/or LCS Duplicate	Nondetect results for these compounds significantly below project action levels in affected samples.

B. High-Biased Results

Potential high bias exists for methyl isobutyl ketone, bromomethane, and 1,2,3-trichlorobenzene in all groundwater samples due to high recoveries in the LCS and LCS Duplicate analyses. In addition, potential high bias exists for hexachlorobutadiene in all groundwater samples due to laboratory blank contamination. In all cases, the affected compounds were not detected in the groundwater samples; data usability was therefore not adversely affected by the potential high biases.

C. Potential Uncertainty

Potential uncertainty exists for select SVOCs in all groundwater samples due to LCS and LCS duplicate variability. The overall data usability and decision-making process were not affected by this QC nonconformance since the results for the affected compounds were either significantly below the project action levels or not contaminants of concern for this site.

29 Elm Street, Salisbury, MA
Data Usability Assessment

A. Overall Summary

The data associated with surface soil samples collected on June 14, 2010, soil boring samples collected on June 15, 2010, test pit soil samples collected on June 15 and 16 and December 7 and 8, 2010, vault sludge samples collected on December 7 and 8, 2010, a vault liquid sample collected on December 9, 2010, and groundwater samples collected on June 24, 2010 were reviewed. In general, data are usable for MCP decisions based on a review of accuracy, precision, and sensitivity of the data. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes with the following cautions and limitations.

- Results for 3,3'-dichlorobenzidine in sample S-19, 3,3'-dichlorobenzidine, acetophenone, aniline and 4-chloroaniline in sample SS-11, and aniline, 4-chloroaniline, and 3,3'-dichlorobenzidine in sample TP-103/0-1 cannot be used to achieve project objectives due to matrix spike recoveries below 10%. As per Appendix IV of the MassDEP Policy # WSC-07-350, *MCP Representativeness Evaluations and Data Usability Assessments*, these results were rejected.
- Caution should be used with the benzo(a)pyrene result in sample TP-103/0-1 due to low recovery in the MSD analysis. The result for benzo(a)pyrene in this sample is equivalent to the project action levels and therefore the decision-making process may be affected by the low bias. Caution should be used with this result as the actual result may be higher and above the project action levels.
- Caution should be used with the lead result in sample TP-202/2-3 due to low recovery in the MS analysis. The result for lead in this sample is slightly below the project action levels and therefore the decision-making process may be affected by the low bias. Caution should be used with this result as the actual result may be higher and above the project action levels.
- Caution should be used with the total PCB results in samples TP-101/0-1 and TP-103/0-1 due to the likelihood of a low bias caused by the presence of another Aroclor (1248) that was significantly weathered and therefore not reported due to a poor pattern match. Caution should be used with these results as the actual results may be higher and above the project action levels. The end user of the data may want to consider use of a different analytical methodology (i.e., EPA method 680) that is not affected by PCB Aroclor weathering in order to calculate accurate total PCB concentrations in these samples.
- Caution should be used with the C₁₁-C₂₂ aromatic hydrocarbon results in samples TP-113/1-3 and TP-117/3-4 due to the presence of elevated concentrations of non-petroleum hydrocarbons (i.e., phthalates) which elute within this hydrocarbon range and contribute significantly to the majority of the reported concentration of the aromatic hydrocarbons. The reported concentrations for this hydrocarbon range exceed the project action levels in these samples. However, the results were not due to petroleum hydrocarbons and are therefore false positives. Caution should be used with these results for decision-making purposes.
- Potential uncertainty exists for the cadmium results in samples SS-11 and SS-19 due to laboratory duplicate variability. The cadmium result in the original analysis of sample SS-19 was below the project action levels but the cadmium result in the duplicate analysis of sample SS-19 exceeds the project action level. The cadmium result in the original analysis of sample SS-11 exceeds the project action levels but the cadmium result in the duplicate analysis of sample SS-11 falls below the project action level. In order to remain conservative, the higher result between the original and duplicate analysis should be used for decision-making purposes.

- Potential uncertainty exists for the cadmium results in samples SS-9, SS-17, and SS-32 due to laboratory duplicate variability. These results are slightly above or equivalent to the project action levels and therefore the usability of the data may have been affected by the uncertainty. Caution should be used with these results as the actual results may be lower and below the project action levels.
- The field duplicate result for chromium in sample TP-102/0-2 exceeds the project action levels but the result in the original sample falls below the project action levels. In order to remain conservative, the result from the field duplicate sample should be used at this location.
- The original results for benzo(a)pyrene, cadmium, and chromium in sample SS-20 exceed the project action levels but the results in the field duplicate sample fall below the project action levels. In order to remain conservative, the results from the original sample should be used at this location.
- Results for dibenz(a,h)anthracene in samples SS-7, SS-15, SS-19, SS-27, and SS-32 cannot be used to verify the achievement of the MCP Method 1 S-1/GW-2 and S-1/GW-3 standards as the quantitation limits for this compound are above these standards.

Surface Soil Samples Included in the Data Usability Assessment: SS-1 through SS-36

Soil Boring Samples Included in the Data Usability Assessment: B-5/3-4, B-6/3-4

Test Pit Soil Samples Included in the Data Usability Assessment: TP-101 through TP-121, TP-201 North/2-2.5, TP-201 South/3-3.5, TP-202/2-3, TP-203/2.5-3, TP-204/1.5-2

Vault Sludge Samples Included in the Data Usability Assessment: Vault 1, Vault 2

Vault Liquid Sample Included in the Data Usability Assessment: Vault 2-W

Groundwater Samples Included in the Data Usability Assessment: MW-2, MW-5, MW-6

Field Duplicates: SS-12 (SVOCs, metals, pH, ORP), SS-20 (SVOCs, metals, pH, ORP), TP-102/0-2 (VOCs, SVOCs, pesticides, PCB Aroclors, metals), TP-106/0-3 (VOCs, VPH, EPH, SVOCs, metals), TP-115/1-4 (EPH, SVOCs, metals)

MS/MSDs or MS/DUPS: SS-2 (hexavalent chromium), SS-11 (SVOCs, metals), SS-19 (SVOCs, metals), TP-103/0-1 (SVOCs, metals), TP-107/0-2 (VOCs, EPH), TP-108/4-5 (SVOCs), TP-110/1-2 (metals), TP-117/5-6 (EPH), MW-2 (SVOCs, metals), TP-201 South/3-3.5 (SVOCs, pesticides, PCB Aroclors, metals)

Soil Analyses Performed: VOCs, VPH, EPH, SVOCs, pesticides, PCB Aroclors, metals, hexavalent chromium

Vault Sludge Analyses Performed: VOCs, EPH, SVOCs, pesticides, PCB Aroclors, metals

Vault Liquid Analyses Performed: VOCs, SVOCs, PCB Aroclors, pesticides, total metals

Groundwater Analyses Performed: VOCs, VPH, EPH, SVOCs, total metals

QAPP Deviations:

- A field duplicate sample was not collected for hexavalent chromium in soil. Since the laboratory performed LCS/LCS Duplicate, laboratory duplicate, and MS/MSD analyses, an adequate assessment of precision was performed. Data usability was not adversely affected by the lack of a field duplicate sample.
- The laboratory utilized SW-846 method 7471A instead of 7471B for the analysis of mercury in soil samples collected in June 2010. This resulted in the lack of Presumptive Certainty for this analysis. Since all QC criteria were within the acceptance limits for the mercury analysis, there were no significant impacts to the data usability as a result of the different method which was utilized. SW-846 method 7471B requires a larger sample aliquot (0.6 grams) to be used during the preparation procedure than method 7471A (0.2 grams) which improves the representativeness of the results.

B. Sensitivity Evaluation

Sensitivity was acceptable for the VOC, VPH, EPH, pesticide, PCB Aroclor, metals, and hexavalent chromium analyses of soil samples (i.e., quantitation limits [QLs] for all nondetect results were below the applicable Method 1 S-1/GW-2 and S-1/GW-3 standards). Sensitivity was not acceptable for select SVOCs (i.e., nondetect results exhibited QLs above the applicable Method 1 S-1/GW-2 and S-1/GW-3 standards). The following table summarizes the affected samples and analytes.

Compound Affected	Affected Samples	Criteria Exceeded (mg/kg)	Quantitation Limit Range (mg/kg)
Bis(2-chloroethyl)ether, hexachlorobenzene	SS-7, SS-13, SS-14, SS-15, SS-19, SS-24, SS-25, SS-27, SS-29, SS-30, SS-32, SS-33, SS-34	S-1/GW-2 (0.7) S-1/GW-3 (0.7)	0.72 – 3.7
	TP-106/0-3, TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4		2.3 – 11
Bis(2-chloroisopropyl)ether	SS-7, SS-13, SS-14, SS-15, SS-19, SS-24, SS-25, SS-29, SS-30, SS-32, SS-33, SS-34	S-1/GW-2 (0.7)	0.72 – 2.1
	SS-27	S-1/GW-2 (0.7) S-1/GW-3 (3)	3.7
	TP-106/0-3, TP-117/5-6	S-1/GW-2 (0.7)	2.3
	TP-113/1-3, TP-117/3-4, TP-118/3-4	S-1/GW-2 (0.7) S-1/GW-3 (3)	3.4 – 11
4-Chloroaniline	SS-7, SS-13, SS-14, SS-15, SS-19, SS-25, SS-27, SS-30, SS-32, SS-34	S-1/GW-3 (3)	3.6 – 7.1
	TP-106/0-3, TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4		4.5 – 21
Dibenz(a,h)anthracene	SS-7, SS-13, SS-14, SS-15, SS-19, SS-25, SS-27, SS-30, SS-32, SS-34	S-1/GW-2 (0.7) S-1/GW-3 (0.7)	0.93 – 1.8
	TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4		1.3 – 5.4
2,4-Dinitrotoluene	SS-7, SS-27	S-1/GW-2 (2) S-1/GW-3 (2)	2.1 – 3.7
	TP-106/0-3, TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4		2.3 – 11
3,3'-Dichlorobenzidine	SS-27	S-1/GW-2 (1) S-1/GW-3 (1)	1.8
	TP-106/0-3, TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4		1.1 – 5.4
Hexachloroethane	SS-27	S-1/GW-2 (3)	3.7
	TP-113/1-3, TP-117/3-4, TP-118/3-4	S-1/GW-2 (3)	3.4 – 11
Benzo(a)pyrene	TP-117/3-4	S-1/GW-2 (2) S-1/GW-3 (2)	5.4
1,4-Dichlorobenzene	TP-113/1-3, TP-117/3-4	S-1/GW-2 (4)	4.1 – 11
Pentachlorophenol	TP-117/3-4	S-1/GW-2 (10) S-1/GW-3 (10)	11

- For bis(2-chloroethyl)ether, hexachlorobenzene, bis(2-chloroisopropyl)ether, 4-chloroaniline, 2,4-dinitrotoluene, 3,3'-dichlorobenzidine, hexachloroethane, 1,4-dichlorobenzene, and pentachlorophenol, the decision-making process was not adversely affected by the sensitivity issues noted above as these analytes were not potential contaminants of concern at this site. In addition, the QLs of these compounds did not exceed the project action levels by a significant amount.
- For dibenz(a,h)anthracene in samples SS-13, SS-14, SS-25, SS-30, SS-34, TP-113/1-3, TP-117/3-4, TP-117/5-6, TP-118/3-4 and benzo(a)pyrene in sample TP-117/3-4, the decision-making process was not adversely affected by the sensitivity issues as other detected SVOCs in these samples exceeded project action levels.
- Samples SS-7, SS-15, SS-19, SS-27, and SS-32 exhibited results for other PAHs (besides dibenz[a,h]anthracene) below project action levels. Therefore, the decision-making process may have been adversely affected by the sensitivity issues, as the results for dibenz(a,h)anthracene cannot be used to completely verify the achievement of the MCP Method 1 standards in these samples since the quantitation limits are above select project action levels.

Sensitivity was acceptable for the VOC, VPH, EPH, and total metals analyses of groundwater samples (i.e., QLs for all nondetect results were below the applicable Method 1 GW-2 and GW-3 standards). Sensitivity was not acceptable for select SVOCs (i.e., nondetect results exhibited QLs above the applicable Method 1 GW-2 standards but below the Method 1 GW-3 standards). The following table summarizes the affected samples and compounds.

Compound Affected	Affected Samples	Method 1 GW-2 (ug/L)	Quantitation Limit Range (ug/L)
Hexachlorobenzene, hexachlorobutadiene	All groundwater samples	1	10 – 40

In general, the decision-making process was not adversely affected by the sensitivity issues noted above as these analytes were not potential contaminants of concern at this site.

C. Evaluation of Accuracy and Precision: Soil and Vault Sludge

There were no biases or uncertainty associated with the VPH and/or pesticide analyses of the soil and sludge samples. Biases associated with the VOC, EPH, SVOC, PCB Aroclor, metals, and/or hexavalent chromium analyses of the soil and sludge samples are discussed below.

C-1. Low-Biased Results

The results for 3,3'-dichlorobenzidine in sample S-19, 3,3'-dichlorobenzidine, acetophenone, aniline and 4-chloroaniline in sample SS-11, and aniline, 4-chloroaniline, and 3,3'-dichlorobenzidine in sample TP-103/0-1 cannot be used to achieve project objectives due to matrix spike recoveries below 10%. As per Appendix IV of the MassDEP Policy # WSC-07-350, *MCP Representativeness Evaluations and Data Usability Assessments*, these results were rejected.

Potential low bias exists for the benzo(a)pyrene result in sample TP-103/0-1 due to low recovery in the MSD analysis. The result for benzo(a)pyrene in sample TP-103/0-1 should be used with caution due to this low bias; this result is equivalent to the project action levels and therefore the decision-making process may be affected.

Potential low bias exists for the lead result in sample TP-202/2-3 due to low recovery in the MS analysis. The result for lead in sample TP-202/2-3 should be used with caution due to this low bias; this result is slightly below the project action levels and therefore the decision-making process may be affected.

Potential low bias exists for the total PCB results in samples TP-101/0-1 and TP-103/0-1. Aroclor 1254 was reported in these samples. However, the laboratory also noted that another Aroclor (1248) was potentially present in these samples but was significantly weathered and therefore not reported due to a poor pattern match. Therefore, the total PCB concentrations in these samples may actually be higher and above the project action levels. The decision-making process may be affected by this low bias.

In general, the overall data usability and decision-making process were not affected by the remaining QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
SS-19	Aniline, 4-chloroaniline	Low recoveries in MS and/or MSD	Analytes not expected to be contaminants of concern based on site history; no project action levels exist for aniline.
SS-11	Acenaphthene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluorene, pyrene	Low recoveries in MS and MSD	Detected results for affected analytes significantly below project action levels in sample SS-11.
SS-11	Benzo(a)pyrene, di-n-butylphthalate	Low recoveries in MS and MSD	Detected result for benzo(a)pyrene exceeds project action level in sample SS-11. No project action level exists for di-n-butylphthalate.
All surface soil, soil boring, and test pit soil samples	Antimony	Low recoveries in MS	Results for antimony either significantly below project action levels or above project action levels.
TP-101/1, TP-102/0.5, TP-103/0.5, TP-104/2, TP-105/0.5, TP-106/2, TP-107/2, TP-107/4, TP-108/2, TP-108/4, TP-109/2, TP-109/6, B-5/4, B-6/4	Bromomethane	Low recoveries in LCS, LCS Duplicate, and/or MS	Nondetect results for bromomethane significantly below project action levels in affected samples.
All test pit and soil boring samples	4-Chloroaniline	Low recoveries in LCS and/or LCS Duplicate	4-Chloroaniline not expected to be a contaminant of concern based on site history.
TP-101/0-1, TP-102/0-2, TP-103/0-1, TP-104/0-2, TP-105/0-1	Aniline	Low recovery in LCS	Aniline not expected to be a contaminant of concern based on site history and no project action exists for aniline.
TP-103/0-1	Benzo(g,h,i)perylene, dibenz(a,h)anthracene, phenanthrene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(b)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, 2,4-dimethylphenol, fluoranthene, indeno(1,2,3-cd)pyrene, pyrene	Low recoveries in MS and/or MSD	Results for affected analytes significantly below project action levels in sample TP-103/0-1.
TP-105/0-1	Total PCBs	Weathered Aroclor not reported due to poor pattern match	Total PCB concentration already exceeds project action levels in sample TP-105/0-1.
SS-2, SS-17	Hexavalent chromium	Low recoveries in soluble MS/MSD	Nondetect results significantly below project action levels and a reducing atmosphere exists based on the pH and ORP results in the affected samples.
TP-201 North/2-2.5, TP-201 South/3-3.5, TP-202/2-3, TP-203/2.5-3, TP-204/1.5-2	4-Methyl-2-pentanone	Low recoveries in LCS and LCS Duplicate	Nondetect results for 4-methyl-2-pentanone significantly below project action levels in affected

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
			samples.
Vault 1, Vault 2	Bromomethane, 2-butanone, 1,2-dibromo-3-chloropropane, 2,2-dichloropropane, 2-hexanone, 4-methyl-2-pentanone	Low recoveries in LCS and/or LCS Duplicate	Affected analytes not potential contaminants of concern based on site history and project action levels do not exist for the affected analytes.
TP-201 North/2-2.5, TP-202/2-3, TP-203/2.5-3, TP-204/1.5-2, Vault 1, Vault 2	Bis(2-chloroisopropyl)ether	Low recoveries in LCS and LCS Duplicate	Nondetect results for bis(2-chloroisopropyl)ether significantly below project action levels in affected samples.
TP-201 South/3-3.5	Aniline, 4-chloroaniline, bis(2-chloroisopropyl)ether	Low recoveries in LCS, LCS Duplicate, and/or MS/MSD	Nondetect results for 4-chloroaniline and bis(2-chloroisopropyl)ether significantly below project action levels in sample TP-201 South/3-3.5. Project action level does not exist for aniline.
TP-201 North/2-2.5, TP-201 South/3-3.5, TP-203/2.5-3, TP-204/1.5-2	Lead	Low recovery in MS	Results for lead significantly below project action levels in affected samples.

C-2. High-Biased Results

Potential high bias exists for C₁₁-C₂₂ aromatic hydrocarbons in samples TP-113/1-3 and TP-117/3-4 due to the presence of elevated concentrations of non-petroleum hydrocarbons (i.e., phthalates) which elute within this hydrocarbon range and contribute significantly to the majority of the reported concentration of the aromatic hydrocarbons. The reported concentrations for this hydrocarbon range exceed the project action levels in these samples. However, the results were not due to petroleum hydrocarbons and are therefore false positives. Caution should be used with these results for decision-making purposes.

In general, the overall data usability and decision-making process were not affected by the remaining QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
SS-19	Benzo(a)anthracene, benzo(b)fluoranthene, fluoranthene, phenanthrene, pyrene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene	High recoveries in MS and/or MSD	Results for affected analytes below project action levels in sample SS-19.
SS-19	Butylbenzylphthalate, di-n-octylphthalate, benzo(g,h,i)perylene	High recoveries in MS and/or MSD	Affected analytes not detected in sample SS-19.
SS-11	2,4-Dinitrophenol, pentachlorophenol	High recoveries in MS and MSD	Affected analytes not detected in sample SS-11.
TP-104/2, TP-106/2, TP-107/2, TP-107/4, TP-108/2, TP-108/4, TP-109/2, TP-109/6, B-5/4, B-6/4	Acetone, 2-butanone, dichlorodifluoromethane, 2-hexanone, 4-methyl-2-pentanone, naphthalene	High recoveries in LCS, LCS Duplicate, and/or MS	Affected analytes not detected in affected samples.
TP-101/1, TP-102/0.5, TP-103/0.5, TP-105/0.5	Acetone, bromoform, chlorodibromomethane	High recoveries in LCS and/or LCS Duplicate	Affected analytes not detected in affected samples.
TP-107/2	Diethyl ether, methylene chloride, vinyl chloride	High recoveries in MS	Affected analytes not detected in sample TP-107/2.
TP-117/5-6	C ₁₉ -C ₃₆ Aliphatics	High recovery in MS	C ₁₉ -C ₃₆ aliphatics below project action levels in sample TP-117/5-6.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
TP-110/1-2, TP-111/2-3, TP-114/2-3, TP-117/5-6	C ₁₁ -C ₂₂ Aromatics	Presence of elevated concentrations of non-petroleum hydrocarbons (i.e., phthalates) which elute in this range and contribute significantly to the reported concentrations of aromatic hydrocarbons; detected concentrations not due to petroleum hydrocarbons.	Results for C ₁₁ -C ₂₂ aromatic hydrocarbons below project action levels in affected samples.
Vault 2	2-Butanone, p-isopropyltoluene, n-propylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene	High surrogate recoveries	Project action levels do not exist for the affected analytes.
TP-201 North/2-2.5, TP-201 South/3-3.5, TP-202/2-3, TP-203/2.5-3, TP-204/1.5-2	Tert-butylbenzene, 1,2,3-trichloropropane	High recoveries in LCS and LCS Duplicate	Affected analytes not detected in affected samples.
Vault 1, Vault 2	Tert-butylbenzene, diethyl ether, tetrachloroethene	High recoveries in LCS and/or LCS Duplicate	Project action levels do not exist for the affected analytes; diethyl ether and tetrachloroethene not detected in affected samples.
TP-201 North/2-2.5, TP-201 South/3-3.5, TP-202/2-3, TP-203/2.5-3, TP-204/1.5-2	Zinc	High recovery in MS	Results for zinc in affected samples below project action levels.

C-3. Potential Uncertainty

Potential uncertainty exists for the cadmium results in samples SS-11 and SS-19 due to laboratory duplicate variability. The cadmium result in the original analysis of sample SS-19 was below the project action levels but the cadmium result in the duplicate analysis of sample SS-19 exceeds the project action level. The cadmium result in the original analysis of sample SS-11 exceeds the project action levels but the cadmium result in the duplicate analysis of sample SS-11 falls below the project action levels. In order to remain conservative, the higher result between the original and duplicate analysis should be used for decision-making purposes. Potential uncertainty exists for the cadmium results in samples SS-9, SS-17, and SS-32 due to laboratory duplicate variability. These results are slightly above or are equivalent to the project action levels and therefore the usability of the data may have been affected by the uncertainty.

Potential uncertainty exists for the chromium result in sample TP-102/0-2 due to field duplicate variability. The field duplicate result for chromium in this sample exceeds the project action levels but the result in the original sample falls below the project action levels. In order to remain conservative, the result from the field duplicate sample should be used at this location.

Potential uncertainty exists for the benzo(a)pyrene, cadmium, and chromium results in sample SS-20 due to field duplicate variability. The results for these analytes in the original sample exceed the project action levels but the results in the field duplicate sample fall below the project action levels. In order to remain conservative, the results from the original sample should be used at this location.

In general, the overall data usability and decision-making process were not affected by the remaining QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Uncertainty	Reason Data Usability or Decision-making Process Not Affected
SS-19	2-Methylnaphthalene, naphthalene	MS/MSD variability	Nondetect results for affected analytes significantly below project action levels in sample SS-19.
SS-11	Naphthalene	MS/MSD variability	Nondetect result for naphthalene significantly below project action levels in sample SS-11.
SS-1 thru SS-8, SS-10, SS-12 thru SS-16, SS-18, SS-20 thru SS-31, SS-33 thru SS-36	Cadmium	Laboratory duplicate variability	Results for cadmium either significantly above or below project action levels in affected samples.
TP-101/1, TP-102/0.5, TP-103/0.5, TP-105/0.5	2-Butanone, 2-hexanone	LCS/LCS duplicate variability	Nondetect results for 2-butanone significantly below project action levels in affected samples. No project action levels exist for 2-hexanone.
TP-103/0-1	Azobenzene	MS/MSD variability	No project action level exists for azobenzene.
All June 2010 test pit soil samples	Chromium, silver	Laboratory duplicate variability	Results for chromium and silver significantly above or below project action levels in affected samples.
SS-12	Most PAHs	Field duplicate variability	Results for PAHs consistently below project action levels in both original and field duplicate samples.
TP-115/1-4	C ₁₁ -C ₂₂ Aromatics, most PAHs, arsenic, beryllium	Field duplicate variability	Results for affected analytes consistently above or below project action levels in both original and field duplicate samples.
SS-20	Most PAHs, barium, lead, mercury, nickel, zinc	Field duplicate variability	Results for affected analytes consistently above or below project action levels in both original and field duplicate samples.
Vault 1, Vault 2	2-Butanone, 1,2-dibromo-3-chloropropane, 1,4-dioxane, tetrachloroethene	LCS/LCS duplicate variability	Project action levels do not exist for the affected analytes.
TP-201 South/3-3.5	Aniline, di-n-octylphthalate, fluoranthene	MS/MSD variability	Project action levels do not exist for aniline and di-n-octylphthalate. Result for fluoranthene significantly below project action levels in sample TP-201 South/3-3.5.

D. Evaluation of Accuracy and Precision: Groundwater and Vault Liquid

There were no biases or uncertainty associated with the VPH, EPH, SVOC, pesticide, PCB Aroclor and/or total metals analyses of the groundwater and vault liquid samples. Biases associated with the VOC analyses of the groundwater and vault liquid samples are discussed below.

D-1. Low-Biased Results

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by the QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
MW-2, MW-5, MW-6	Bromomethane	Low recoveries in LCS and LCS Duplicate	Nondetect results for bromomethane significantly below project action levels in affected samples.
Vault 2-W	2-Butanone, 2,2-dichloropropane, 2-hexanone, 4-methyl-2-pentanone, naphthalene, 1,2,3-trichlorobenzene	Low recoveries in LCS and LCS Duplicate	Project action level does not exist for 1,2,3-trichlorobenzene, Nondetect results for remaining affected analytes significantly below project action levels in affected samples.

D-2. High-Biased Results

Potential high bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by the QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
MW-2, MW-5, MW-6	Acetone, bromoform, carbon tetrachloride, 2,2-dichloropropane, trans-1,3-dichloropropene, 1,1,1,2-tetrachloroethane	High recoveries in LCS and LCS Duplicate	Affected VOCs were not detected in affected samples.
Vault 2-W	Chloroform, chloromethane, tetrachloroethene	High recoveries in LCS and/or LCS Duplicate	Affected VOCs were not detected in affected samples.

APPENDIX E

IMMINENT HAZARD EVALUATION MEMORANDUM

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

Main 97 8-970-5600
Fax 97 8-453-1995

Memorandum

To: David Chaffin, Massachusetts Department of Environmental Protection
From: Ryan Niles, Project Geologist, TRC Environmental Corporation
Subject: Imminent Hazard Evaluation, 29 Elm Street, Salisbury, Massachusetts
Date: January 27, 2010
CC: Robert Shaughnessy, Massachusetts Department of Environmental Protection
Thomas Biolsi, TRC Project Manager
Matthew Robbins, TRC Licensed Site Professional

The memorandum has been prepared by TRC Environmental Corporation (TRC) to present an Imminent Hazard (IH) evaluation for soil samples collected at 29 Elm Street, Salisbury, Massachusetts (the "Site") on behalf of the Massachusetts Department of Environmental Protection (MassDEP). TRC conducted a soil and groundwater investigation at the Site in April 2008 that included the collection of soil samples from test pits completed in the southern, rear portion of the Site. Analytical results of one sample, TP-6 (2 feet) indicated the presence of arsenic (51 mg/kg) and total chromium (703 mg/kg) at concentrations that, if present within 12 inches of the surface and meeting the other conditions specified by 310 CMR 40.0321(2)(b) of the Massachusetts Contingency Plan (MCP), would indicate a release that could pose an Imminent Hazard (IH). Based on these results, TRC targeted the southern portion of the Site for additional sampling to assess the potential for an IH condition. The location of the Site is shown on Figure 1, and the 2008 soil sampling locations are shown on Figure 2A, both attached.

The Site is currently unoccupied, but is located within 500 feet of residential dwellings and access to the Site by children is not controlled or prevented by means of pavement, concrete, fence, or other physical barriers.

On June 14, 2010, TRC collected 36 surface soil samples (SS-1 through SS-36) from 0-1 foot on a grid-like basis from the southern portion of the Site, as directed by MassDEP. Soil samples from these locations were submitted for laboratory analysis of semi-volatile organic compounds (SVOCs), MCP metals, oxidation/reduction potential (ORP), and pH. Based on initial soil analytical results, the two samples exhibiting the highest concentrations of total chromium were additionally analyzed for hexavalent chromium to evaluate the nature of chromium present on Site. ORP and pH analyses were also performed to assess the favorability of the soil environment for hexavalent chromium persistence. The sampling locations from the June 2010 investigation are shown in Figure 2B, attached.

Analytical results of metals analysis were compared to the concentrations published at 310 CMR 40.0321(2)(b), to initially assess the potential for an IH condition. Surface soil samples exceeded two of the concentrations published therein, cadmium (60 mg/kg) and total chromium (200 mg/kg).

Arsenic concentrations were below the concentration published therein (40 mg/kg). Cadmium exceeded 60 mg/kg in one sample, SS-22 (290 mg/kg), indicating that cadmium concentrations in Site soil within 12 inches of the ground surface “could pose” an IH. Total chromium concentrations exceeded 200 mg/kg in four soil samples, SS-2 (450 mg/kg), SS-3 (230 mg/kg), SS-15 (290 mg/kg), and SS-17 (470 mg/kg). The samples exhibiting the highest concentrations of total chromium (SS-2 and SS-17) were also analyzed for hexavalent chromium to evaluate the type of chromium present on Site. Analytical results for hexavalent chromium were 4.8 mg/kg in SS-2 and 2.8 mg/kg in SS-17, indicating that the chromium on Site is largely trivalent and not hexavalent. Therefore, concentrations of total chromium in excess of 200 mg/kg within 12-inches of the ground surface do not represent exceedances of 310 CMR 40.0321(2)(b). Additionally, pH and ORP results indicate a neutral to weakly acidic (pH 4.4 to 7.7) and oxidizing (95 mV to 220 mV) environment. Detected surface soil analytical results are summarized in Table 1, attached.

Based on the concentration of cadmium at surface soil sample SS-22, TRC conducted an IH Evaluation in accordance with 310 CMR 40.0426. TRC calculated exposure point concentrations (EPCs) for surface soil samples collected on Site. Surface soil EPCs are summarized in Table 2, attached. The EPCs were inserted into the MassDEP-published shortform used to evaluate a potential IH condition under a trespasser scenario¹. The shortform uses the contaminant EPCs to calculate a Hazard Index (HI) and an Excess Lifetime Cancer Risk (ELCR), based on a set of standard exposure assumptions for individuals trespassing on the Site property. The calculated HI was 0.2 (less than 10), and the calculated ELCR was 5×10^{-7} (less than 1×10^{-5}). These results indicate that the Site conditions described herein do not constitute an actual IH. The shortform and the calculations included therein (TSIH-1 through TSIH-5) are attached to this memorandum.

Based on TRC’s IH evaluation and the Site’s status as an open Release Site (RTN 3-28202), MassDEP personnel determined that the detection of cadmium within 12-inches of the ground surface above the concentration published at 310 CMR 40.0321(2)(b) did not represent a reporting obligation for the Site owner, the Town of Salisbury.

Attachments:

Table 1: Detected Results for Surface Soil Samples

Table 2: Surface Soil Summary Statistics and Exposure Point Concentrations

Table TSIH-1: Exposure Point Concentration (EPC) Based on Trespasser Ages 11-16 (cancer) and 11-12 (Non-Cancer)

Table TSIH-2: Equations to Calculate Cancer Risk for a Trespasser (Age 11-16 years)

Table TSIH-3: Equations to Calculate Subchronic Noncancer Risk for a Trespasser (Age 11-12 years)

Table TSIH-4: Definitions and Exposure Factors

Table TSIH-5: Chemical-Specific Data

Figure 1: Site Location Map

Figure 2A: Site Plan, April 2008 Investigation

Figure 2B: Site Plan, June 2010 Investigation

¹ Massachusetts Department of Environmental Protection (MassDEP), Shortforms for Human Health Risk Assessment under the MCP. September 2007. <http://www.mass.gov/dep/cleanup/compliance/shortform.zip>.

Table 1: Detected Results for Surface Soil Samples
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	SS-7	SS-8	SS-9	SS-10	SS-11	SS-12		SS-13	SS-14	SS-15
		Sample Depth ft.: Sample Date:		6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3													Field Dup			
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	1.7	0.20 U	0.20 U	0.42	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	2.0	1.0	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Acenaphthylene	600	10	0.20 U	0.20 U	0.20 U	0.21 U	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	0.19 U	0.19 U	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Anthracene	1,000	1,000	3.5	0.20 U	0.20 U	0.71	0.32	0.20	1.2	0.20 U	0.32	3.3	1.4	0.19 U	0.23	1.1	0.97 U	1.0 U
	Benzo(a)anthracene	7	7	7.8	0.20 U	0.61	2.5	1.1	0.81	1.9	0.42	1.5	6.4	2.9	0.53	0.90	2.8	0.97 U	2.1
	Benzo(a)pyrene	2	2	6.1	0.20 U	0.60	2.1	0.99	0.84	1.4	0.37	1.4	5.0	2.2	0.50	0.80	2.1	0.97 U	1.6
	Benzo(b)fluoranthene	7	7	8.2	0.24	0.91	2.8	1.3	0.98	1.7	0.45	1.6	6.0	3.2	0.75	1.2	2.7	0.97 U	2.0
	Benzo(g,h,i)perylene	1,000	1,000	2.9	0.20 U	0.30	1.0	0.50	0.49	1.0 U	0.22	0.69	2.2	0.75	0.24	0.49	1.2	0.97 U	1.4
	Benzo(k)fluoranthene	70	70	3.7	0.20 U	0.36	1.1	0.50	0.42	1.0 U	0.20 U	0.67	3.7	1.3	0.26	0.50	1.2	0.97 U	1.0 U
	Bis(2-Ethylhexyl)phthalate	200	200	230	3.8	22	420	1.4	2.4	17	20	53	93	12	1.5	2.7	440	770	120
	Butylbenzylphthalate	NS	NS	0.78 U	0.77 U	0.79 U	0.81 U	0.74 U	0.74 U	4.0 U	0.77 U	0.77 U	0.74 U	0.76 U	0.76 U	0.76 U	3.8 U	3.8 U	3.9 U
	Chrysene	70	70	7.6	0.21	0.64	2.9	1.2	0.83	1.9	0.45	1.5	6.2	2.8	0.59	0.98	2.7	0.97 U	2.2
	Dibenz(a,h)anthracene	0.7	0.7	0.96	0.20 U	0.20 U	0.21 U	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	0.59	0.19 U	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Dibenzofuran	NS	NS	1.7	0.40 U	0.41 U	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	2.0	0.41	0.39 U	0.39 U	2.0 U	1.9 U	2.0 U
	Di-n-butylphthalate	NS	NS	4.3	0.88	4.0	2.7	0.60	0.38 U	2.1 U	0.40 U	0.56	3.2	3.5	23	39	2.0 U	1.9 U	2.0 U
	Di-n-octylphthalate	NS	NS	0.78 U	0.77 U	0.79 U	0.81 U	0.74 U	0.74 U	4.0 U	0.77 U	0.77 U	0.74 U	0.76 U	0.76 U	0.76 U	3.8 U	3.8 U	3.9 U
	Fluoranthene	1,000	1,000	14	0.33	0.94	3.7	1.7	1.5	3.0	0.80	2.6	10	5.5	0.86	1.8	4.3	0.97 U	3.7
	Fluorene	1,000	1,000	1.5	0.20 U	0.20 U	0.32	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	1.9	0.64	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Indeno(1,2,3-cd)pyrene	7	7	3.7	0.20 U	0.38	1.1	0.55	0.56	1.1	0.25	0.76	2.7	0.89	0.27	0.19 U	1.4	0.97 U	1.6
	2-Methylnaphthalene	80	300	0.74	0.20 U	0.20 U	0.21 U	0.19 U	0.19 U	1.0 U	0.20 U	0.20 U	1.0	0.19 U	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Naphthalene	40	500	1.4	0.20 U	0.20 U	0.26	0.19 U	0.19 U	1.8	0.20 U	0.20 U	2.3	0.19 U	0.19 U	0.19 U	0.98 U	0.97 U	1.0 U
	Pentachlorophenol	10	10	0.40 U	0.40 U	0.48	0.42 U	0.38 U	0.38 U	2.1 U	0.40 U	0.40 U	0.38 U	0.39 U	0.39 U	0.39 U	2.0 U	1.9 U	2.0 U
	Phenanthrene	500	500	15	0.28	0.86	4.1	1.7	1.1	4.4	0.60	1.7	14	5.3	0.78	1.4	5.3	0.97 U	3.6
	Pyrene	1,000	1,000	13	0.21	0.65	4.7	1.7	1.6	2.8	0.77	2.9	13	4.9	0.66	1.1	4.7	0.97 U	4.0
PCBs (mg/kg)	Total PCBs	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (mg/kg)	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total (mg/kg)	Antimony	20	20	2.8 U	21	3.1 U	2.9 U	3.1 U	2.7 U	3.1 U	3.0 U	3.2 U	2.9 U	3.0 U	2.9 U	3.1 U	3.0 U	3.2 U	12
	Arsenic	20	20	14	36	18	9.3	15	14	15	10	12	11	18	11	10	13	10	21
	Barium	1,000	1,000	1,700	7,000	6,100	2,900	160	59	380	42	250	840	420	640	420	490	1,500	2,800
	Beryllium	100	100	0.28 U	0.32 U	0.31 U	0.29 U	0.31 U	0.27 U	0.31 U	0.30 U	0.32 U	0.29 U	0.30 U	0.29 U	0.31 U	0.30 U	0.32 U	0.32 U
	Cadmium	2	2	5.7	57	18	8.0	0.61	0.39	7.2	1.1	2.3	4.3	3.1	1.1	0.99	12	11	3.2
	Chromium (III)	1,000	1,000	71	450	230	49	25	13	47	18	26	61	43	21	21	49	40	290
	Chromium (VI)	30	30	NA	4.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	190	570	700	180	130	96	170	27	69	140	290	130	120	220	240	350
	Mercury	20	20	0.13	0.063	0.22	0.12	0.12	0.14	0.064	0.072	0.042	0.097	0.10	0.14	0.10	0.30	0.12	2.3
	Nickel	20	20	16	15	12	9.2	4.9	5.0	17	7.1	10	15	13	7.1	6.5	9.4	7.7	17
	Silver	100	100	0.56 U	0.63 U	0.63 U	0.58 U	0.62 U	0.55 U	0.63 U	0.60 U	0.63 U	0.59 U	0.60 U	0.57 U	0.62 U	0.61 U	0.64 U	59
	Vanadium	600	600	22	17	14	15	14	14	20	16	19	18	27	16	14	18	13	24
	Zinc	2,500	2,500	450	3,700	2,400	580	84	42	710	40	100	260	270	100	95	130	62	610
Oxidation/Reduction Potential (mV)		N/A	N/A	130	190	200	180	160	150	170	200	170	150	140	130	140	220	220	150
pH (s.u.)	pH	N/A	N/A	5.8	7.1	6.4	5.6	4.9	4.6	5.9	5.3	5.9	6.0	5.8	5.4	5.2	5.0	4.4	5.6

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - milliVolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 S-1 standards.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

Table 1: Detected Results for Surface Soil Samples
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-16	SS-17	SS-18	SS-19	SS-20		SS-21	SS-22	SS-23	SS-24	SS-25	SS-26	SS-27	SS-28	SS-29	SS-30													
		Sample Depth ft.:						6/14/2010	6/14/2010											6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010
		S-1/GW-2	S-1/GW-3																													
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.18 U	0.20 U	0.18 U	0.99 U	1.2	0.22	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U	0.94 U													
	Acenaphthylene	600	10	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.40	0.38 U	0.94 U													
	Anthracene	1,000	1,000	0.24	0.20 U	0.18 U	0.99 U	1.7	0.44	0.34	0.37	0.19 U	0.36 U	1.2	0.32	1.8 U	0.46	0.38 U	0.94 U													
	Benzo(a)anthracene	7	7	0.72	0.20 U	0.25	2.0	2.9	1.0	0.94	1.4	0.29	0.36 U	3.4	1.1	1.9	1.2	0.46	3.9													
	Benzo(a)pyrene	2	2	0.60	0.20 U	0.31	1.7	2.4	0.91	1.1	1.2	0.26	0.36 U	3.1	1.1	1.8 U	1.3	0.51	2.9													
	Benzo(b)fluoranthene	7	7	0.76	0.20 U	0.37	2.2	3.4	1.2	1.9	1.8	0.38	0.36 U	4.2	1.5	2.1	1.6	0.63	3.8													
	Benzo(g,h,i)perylene	1,000	1,000	0.41	0.20 U	0.23	0.99 U	1.1	0.48	0.69	0.63	0.19 U	0.36 U	1.3	0.53	1.8 U	0.59	0.38 U	1.2													
	Benzo(k)fluoranthene	70	70	0.37	0.20 U	0.18 U	0.99 U	1.4	0.46	0.76	0.64	0.19 U	0.36 U	1.7	0.59	1.8 U	0.58	0.38 U	1.4													
	Bis(2-Ethylhexyl)phthalate	200	200	21	0.39 U	0.37 U	98	22	54	1,300	12	5.3	0.72 U	140	150	84	1.1	1.2	2.0													
	Butylbenzylphthalate	NS	NS	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	0.76 U	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U	3.6 U													
	Chrysene	70	70	0.72	0.20 U	0.26	2.0	2.8	1.1	1.4	1.5	0.32	0.36 U	3.6	1.2	1.9	1.3	0.49	3.8													
	Dibenz(a,h)anthracene	0.7	0.7	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U	0.94 U													
	Dibenzofuran	NS	NS	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	1.9 U													
	Di-n-butylphthalate	NS	NS	0.56	0.39 U	0.37 U	2.0 U	1.9 U	0.44	4.7	2.4	1.9	0.72 U	1.9 U	1.3	3.7 U	0.46	0.75 U	1.9 U													
	Di-n-octylphthalate	NS	NS	0.71 U	0.76 U	0.72 U	3.8 U	3.7 U	0.75 U	11	0.80 U	0.75 U	1.4 U	3.6 U	0.73 U	7.1 U	0.75 U	1.5 U	3.6 U													
	Fluoranthene	1,000	1,000	1.2	0.24	0.44	3.6	5.8	2.1	3.0	3.0	0.65	0.36 U	5.8	1.9	3.5	2.8	0.80	5.7													
	Fluorene	1,000	1,000	0.18 U	0.20 U	0.18 U	0.99 U	1.2	0.24	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.26	0.38 U	0.94 U													
	Indeno(1,2,3-cd)pyrene	7	7	0.48	0.20 U	0.26	1.1	1.2	0.59	0.84	0.76	0.19 U	0.36 U	1.6	0.62	1.8 U	0.72	0.38	1.5													
	2-Methylnaphthalene	80	300	0.18 U	0.20 U	0.18 U	0.99 U	0.96 U	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U	0.94 U													
	Naphthalene	40	500	0.18 U	0.20 U	0.18 U	0.99 U	2.6	0.19 U	0.19 U	0.21 U	0.19 U	0.36 U	0.93 U	0.19 U	1.8 U	0.19 U	0.38 U	0.94 U													
	Pentachlorophenol	10	10	0.37 U	0.39 U	0.37 U	2.0 U	1.9 U	0.39 U	0.39 U	0.41 U	0.38 U	0.72 U	1.9 U	0.38 U	3.7 U	0.38 U	0.75 U	1.9 U													
	Phenanthrene	500	500	1.2	0.20 U	0.18 U	3.3	6.1	2.3	1.9	2.1	0.53	0.36 U	6.3	1.9	3.4	2.5	0.39	2.4													
	Pyrene	1,000	1,000	1.4	0.20 U	0.34	3.0	2.9	1.9	1.5	2.0	0.41	0.36 U	4.1	1.5	2.3	2.1	0.59	4.4													
PCBs (mg/kg)	Total PCBs	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
Pesticides (mg/kg)	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
Metals, total (mg/kg)	Antimony	20	20	2.9 U	3.2 U	2.7 U	2.9 U	2.8 U	2.6 U	2.9 U	3.0 U	3.7	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.8 U													
	Arsenic	20	20	9.2	21	10	9.0	17	12	16	13	15	9.2	7.8	11	12	14	9.5	8.7													
	Barium	1,000	1,000	610	6,300	20	460	340	51	1,100	4,600	3,900	30	580	900	460	87	120	78													
	Beryllium	100	100	0.29 U	0.32 U	1.9	2.0	2.3	0.26 U	3.1	3.4	2.8	2.3	1.8	2.2	3.4	1.5	1.7	2.1													
	Cadmium	2	2	1.4	2.2	0.27 U	1.8	6.3	2.0	12	290	4.7	0.28	3.4	4.2	5.1	0.48	0.40	0.40													
	Chromium (III)	1,000	1,000	84	470	16	35	38	16	55	59	160	19	33	32	50	15	16	17													
	Chromium (VI)	30	30	NA	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA													
	Lead	300	300	110	320	66	110	120	29	150	280	630	25	110	110	100	120	56	57													
	Mercury	20	20	0.067	0.052	0.025	0.045	0.057	0.034	0.26	0.16	0.087	0.024 U	0.051	0.068	0.10	0.16	0.044	0.057													
	Nickel	20	20	9.1	28	12	11	16	6.4	18	13	15	14	8.6	14	22	6.1	12	10													
	Silver	100	100	0.58 U	0.64 U	0.53 U	0.57 U	0.55 U	0.53 U	0.57 U	0.60 U	0.55 U	0.53 U	0.54 U	0.54 U	0.54 U	1.0	0.54 U	0.56 U													
	Vanadium	600	600	14	20	16	16	17	14	23	20	14	25	13	16	24	12	16	18													
	Zinc	2,500	2,500	200	8,000	45	210	570	45	400	330	1,900	47	160	230	170	62	94	92													
Oxidation/Reduction Potential (mV)		N/A	N/A	140	170	160	150	140	120	130	140	140	130	100	120	140	130	120	130													
pH (s.u.)	pH	N/A	N/A	5.9	7.7	5.7	5.4	5.6	5.3	6.3	5.5	6.8	5.7	5.3	5.7	5.6	4.8	6.2	5.8													

Notes:
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
NA - Sample not analyzed for the listed analyte.
NS - No MassDEP standards exist for this analyte.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in **Bold and shaded type exceed one or more of the listed MassDEP Method 1 S-1 standards.**
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.

Table 1: Detected Results for Surface Soil Samples
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte	Sample ID:		SS-31	SS-32	SS-33	SS-34	SS-35	SS-36	TP-101 0-1/1 6/15/2010	TP-103 0-1/0.5 6/15/2010	TP-105 0-1/0.5 6/15/2010
		Sample Depth ft.:										
		Sample Date:										
		S-1/GW-2	S-1/GW-3	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/14/2010	6/15/2010	6/15/2010	6/15/2010
SVOCs (mg/kg)	Acenaphthene	1,000	1,000	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	0.22 U	0.18 U
	Acenaphthylene	600	10	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	1.1	0.22 U	0.18 U
	Anthracene	1,000	1,000	0.19 U	1.0 U	0.55	1.5	0.21 U	0.20 U	0.71	0.64	0.43
	Benzo(a)anthracene	7	7	0.19 U	1.0 U	1.6	5.3	0.21	0.27	4.4	2.3	1.8
	Benzo(a)pyrene	2	2	0.19 U	1.0 U	1.5	4.8	0.25	0.32	4.3	2.0	1.8
	Benzo(b)fluoranthene	7	7	0.19 U	1.0 U	1.7	5.8	0.39	0.40	6.1	3.0	2.6
	Benzo(g,h,i)perylene	1,000	1,000	0.19 U	1.0 U	1.0	2.6	0.21 U	0.22	1.9	1.1	0.71
	Benzo(k)fluoranthene	70	70	0.19 U	1.0 U	0.72	2.3	0.21 U	0.20 U	3.8	1.0	0.98
	Bis(2-Ethylhexyl)phthalate	200	200	6.0	69	1.8	6.7	330	67	1.1	3.5	4.2
	Butylbenzylphthalate	NS	NS	0.72 U	3.9 U	1.4 U	3.8 U	0.81 U	0.77 U	0.81 U	16	0.72 U
	Chrysene	70	70	0.19 U	1.0 U	1.7	5.8	0.27	0.35	4.6	2.3	1.8
	Dibenz(a,h)anthracene	0.7	0.7	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.83	0.33	0.23
	Dibenzofuran	NS	NS	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	0.43 U	0.37 U
	Di-n-butylphthalate	NS	NS	0.51	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.44	0.61	0.37 U
	Di-n-octylphthalate	NS	NS	0.72 U	3.9 U	1.4 U	3.8 U	4.0	1.3	0.81 U	0.83 U	0.72 U
	Fluoranthene	1,000	1,000	0.19 U	1.0 U	3.0	9.6	0.34	0.44	4.5	3.1	3.5
	Fluorene	1,000	1,000	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	0.22 U	0.18 U
	Indeno(1,2,3-cd)pyrene	7	7	0.19 U	1.0 U	1.1	3.0	0.21 U	0.23	2.6	1.2	0.84
	2-Methylnaphthalene	80	300	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	0.22 U	0.18 U
	Naphthalene	40	500	0.19 U	1.0 U	0.36 U	0.97 U	0.21 U	0.20 U	0.21 U	0.22 U	0.18 U
	Pentachlorophenol	10	10	0.37 U	2.0 U	0.73 U	1.9 U	0.42 U	0.39 U	0.42 U	0.43 U	0.37 U
	Phenanthrene	500	500	0.19 U	1.0 U	2.9	8.6	0.21 U	0.31	1.4	3.3	1.8
	Pyrene	1,000	1,000	0.19 U	1.0 U	3.1	7.2	0.31	0.37	6.0	3.6	2.4
PCBs (mg/kg)	Total PCBs	2	2	NA	NA	NA	NA	NA	NA	1.2	0.77	2.5
Pesticides (mg/kg)												
	4,4'-DDE	3	3	NA	NA	NA	NA	NA	NA	0.062	0.033	0.029
	4,4'-DDT	3	3	NA	NA	NA	NA	NA	NA	0.16	0.065	0.094
Metals, total (mg/kg)												
	Antimony	20	20	2.7 U	3.0 U	2.6 U	2.7 U	3.0 U	3.2	3.1 U	3.2 U	2.7 U
	Arsenic	20	20	4.6	6.7	15	14	14	16	11	10	8.7
	Barium	1,000	1,000	35	660	470	1,400	500	6,800	160	1,000	120
	Beryllium	100	100	1.2	1.9	1.8	1.9	3.2	3.5	1.9	3.1	2.2
	Cadmium	2	2	0.27 U	2.0	0.57	1.4	4.3	4.1	2.6	1.9	0.55
	Chromium (III)	1,000	1,000	9.0	18	26	57	30	150	18	51	15
	Chromium (VI)	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	8.7	82	97	180	65	140	180	180	58
	Mercury	20	20	0.012 U	0.041	0.58	0.072	0.074	0.039	0.48	0.095	0.056
	Nickel	20	20	4.4	6.8	10	11	11	21	9.7	15	9.9
	Silver	100	100	0.54 U	0.61	0.52 U	0.55 U	0.61 U	0.56 U	0.62 U	0.63 U	0.55 U
	Vanadium	600	600	7.4	12	13	12	22	21	15	23	18
	Zinc	2,500	2,500	24	120	120	620	570	3,700	3,200	200	60
Oxidation/Reduction Potential (mV)		N/A	N/A	100	100	110	110	95	120	NA	NA	NA
pH (s.u.)		N/A	N/A	5.0	6.2	5.5	6.0	6.0	6.8	NA	NA	NA

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

mV - millivolt.

s.u. - Standard unit.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

Values in **Bold** indicate the compound was detected.

Values shown in **Bold and shaded type** exceed one or more of the listed MassDEP Method 1 S-1 standards.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

Table 2. Surface Soil Summary Statistics and Exposure Point Concentrations
29 Elm Street
Salisbury, Massachusetts

Analysis	Analyte				# of Samples	# of Detects	Freq. of Detects	Min. of Detects (mg/kg)	Max. of Detects (mg/kg)	Location of Max. Detected	Min. of Non-Detects (mg/kg)	Max. of Non-Detects (mg/kg)	Mean Concentration (mg/kg)	EPC	EPC Rationale
		S-1/GW-2	S-1/GW-3	Background											
SVOCs	Acenaphthene	1,000	1,000	0.5	39	5	12.8%	0.42	2	SS-10	0.18	1.8	3.6E-01	3.6E-01	Mean
	Acenaphthylene	600	10	0.5	39	2	5.1%	0.4	1.1	TP-101	0.18	1.8	2.5E-01	2.5E-01	Mean
	Anthracene	1,000	1,000	1	39	22	56.4%	0.1625	3.5	SS-1	0.18	1.8	6.5E-01	6.5E-01	Mean
	Benzo(a)anthracene	7	7	2	39	33	84.6%	0.21	7.8	SS-1	0.19	1	1.8E+00	1.8E+00	Mean
	Benzo(a)pyrene	2	2	2	39	32	82.1%	0.25	6.1	SS-1	0.19	1.8	1.5E+00	1.5E+00	Mean
	Benzo(b)fluoranthene	7	7	2	39	34	87.2%	0.24	8.2	SS-1	0.19	1	2.0E+00	2.0E+00	Mean
	Benzo(g,h,i)perylene	1,000	1,000	1	39	27	69.2%	0.22	2.9	SS-1	0.19	1.8	7.7E-01	7.7E-01	Mean
	Benzo(k)fluoranthene	70	70	1	39	23	59.0%	0.36	3.8	TP-101	0.18	1.8	8.8E-01	8.8E-01	Mean
	Bis(2-Ethylhexyl)phthalate	200	200	NS	39	36	92.3%	1.1	1300	SS-21	0.37	0.72	1.2E+02	1.2E+02	Mean
	Butylbenzylphthalate	NS	NS	NS	39	1	2.6%	16	16	TP-103	0.71	7.1	1.3E+00	1.3E+00	Mean
	Chrysene	70	70	2	39	34	87.2%	0.21	7.6	SS-1	0.19	1	1.8E+00	1.8E+00	Mean
	Dibenz(a,h)anthracene	0.7	0.7	0.5	39	5	12.8%	0.23	0.96	SS-1	0.18	1.8	2.8E-01	2.8E-01	Mean
	Dibenzofuran	NS	NS	NS	39	3	7.7%	0.41	2	SS-10	0.37	3.7	5.3E-01	5.3E-01	Mean
	Di-n-butylphthalate	NS	NS	NS	39	19	48.7%	0.44	39	SS-12	0.37	3.7	2.2E+00	2.2E+00	Mean
	Di-n-octylphthalate	NS	NS	NS	39	3	7.7%	1.3	11	SS-21	0.71	7.1	1.2E+00	1.2E+00	Mean
	Fluoranthene	1,000	1,000	4	39	35	89.7%	0.24	14	SS-1	0.19	1	3.0E+00	3.0E+00	Mean
	Fluorene	1,000	1,000	1	39	6	15.4%	0.26	1.9	SS-10	0.18	1.8	3.5E-01	3.5E-01	Mean
	Indeno(1,2,3-cd)pyrene	7	7	1	39	30	76.9%	0.1825	3.7	SS-1	0.19	1.8	9.3E-01	9.3E-01	Mean
	2-Methylnaphthalene	80	300	0.5	39	2	5.1%	0.74	1	SS-10	0.18	1.8	2.6E-01	2.6E-01	Mean
	Naphthalene	40	500	0.5	39	5	12.8%	0.26	2.3	SS-10	0.18	1.8	3.7E-01	3.7E-01	Mean
	Pentachlorophenol	10	10	NS	39	1	2.6%	0.48	0.48	SS-3	0.37	3.7	4.5E-01	4.5E-01	Mean
	Phenanthrene	500	500	3	39	32	82.1%	0.28	15	SS-1	0.18	1	2.9E+00	2.9E+00	Mean
	Pyrene	1,000	1,000	4	39	34	87.2%	0.21	13	SS-1	0.19	1	2.7E+00	2.7E+00	Mean
PCBs	Total PCBs	2	2	NS	3	3	100.0%	0.77	2.5	TP-105	--	--	1.5E+00	2.5E+00	Maximum
Pesticides	4,4'-DDE	3	3	NS	3	3	100.0%	0.029	0.062	TP-101	--	--	4.1E-02	4.1E-02	Mean
	4,4'-DDT	3	3	NS	3	3	100.0%	0.065	0.16	TP-101	--	--	1.1E-01	1.1E-01	Mean
Metals, total															
	Antimony	20	20	1	39	4	10.3%	3.2	21	SS-2	2.6	3.2	2.3E+00	2.3E+00	Mean
	Arsenic	20	20	20	39	39	100.0%	4.6	36	SS-2	--	--	1.3E+01	1.3E+01	Mean
	Barium	1,000	1,000	50	39	39	100.0%	20	7000	SS-2	--	--	1.4E+03	2.1E+03	95% Approximate Gamma UCL
	Beryllium	100	100	0.4	39	22	56.4%	1.2	3.5	SS-36	0.27	0.32	1.4E+00	1.4E+00	Mean
	Cadmium	2	2	2	39	37	94.9%	0.28	290	SS-22	0.27	0.27	1.2E+01	4.5E+01	95% Chebyshev (Mean, Sd) UCL
	Chromium (III)	1,000	1,000	30	39	39	100.0%	9	470	SS-17	--	--	7.5E+01	7.5E+01	Mean
	Chromium (VI)	30	30	30	2	2	100.0%	2.8	4.8	SS-2	--	--	3.8E+00	NA	Below background
	Lead	300	300	100	39	39	100.0%	8.7	700	SS-3	--	--	1.8E+02	1.8E+02	Mean
	Mercury	20	20	0.3	39	37	94.9%	0.025	2.3	SS-15	0.012	0.024	1.7E-01	1.7E-01	Mean
	Nickel	20	20	20	39	39	100.0%	4.4	28	SS-17	--	--	1.2E+01	1.2E+01	Mean
	Silver	100	100	0.6	39	3	7.7%	0.61	59	SS-15	0.52	0.64	1.8E+00	1.8E+00	Mean
	Vanadium	600	600	30	39	39	100.0%	7.4	27	SS-11	--	--	1.7E+01	NA	Below background
	Zinc	2,500	2,500	100	39	39	100.0%	24	8000	SS-17	--	--	7.9E+02	7.9E+02	Mean

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).

Values in **Bold** indicate the compound was detected.

Values shown in Bold and shaded type exceed one or more of the listed MassDEP Method 1 S-1 standards.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 S-1 standards for C9-C10 aromatics used.

(2) - MassDEP Method 1 S-1 standards for 1,3-Dichloropropene used.

* - Sample depth for other/(VOC & VPH analysis); otherwise the sample depth applies to all listed analyses.

NS - No standard available for this compound.

Background - Background Concentration for natural soil.

Trespasser - Soil: Table TSIH-1
Exposure Point Concentration (EPC)
Based on Trespasser Ages 11-16 (Cancer) and 11-12 (Non-Cancer)

ShortForm Version 10-06

Vlookup Version v0808

****Do not insert or delete any rows****

ELCR (all chemicals) = 5E-07

HI (all chemicals) = 2E-01

Click on empty cell below and select OHM using arrow.

Oil or Hazardous Material	EPC (mg/kg)	ELCR _{ingestion}	ELCR _{dermal}	ELCR _{total}	Subchronic		HQ _{total}
					HQ _{ing}	HQ _{derm}	
Acenaphthene	3.6E-01				7.8E-08	1.5E-07	2.3E-07
Acenaphthylene	2.5E-01				1.1E-07	2.1E-07	3.2E-07
Anthracene	6.5E-01				2.8E-08	5.3E-08	8.1E-08
Benzo(a)anthracene	1.8E+00	4.4E-09	2.5E-09	6.9E-09	5.9E-07	2.9E-07	8.8E-07
Benzo(a)pyrene	1.5E+00	3.8E-08	2.1E-08	5.9E-08	5.0E-07	2.5E-07	7.5E-07
Benzo(b)fluoranthene	2.0E+00	5.1E-09	2.8E-09	7.9E-09	6.7E-07	3.3E-07	1.0E-06
Benzo(g,h,i)perylene	7.7E-01				3.3E-07	6.3E-07	9.6E-07
Benzo(k)fluoranthene	8.8E-01	2.2E-10	1.2E-10	3.4E-10	2.9E-07	1.4E-07	4.3E-07
Bis(2-Ethylhexyl)phthalate	1.2E+02	2.0E-08	3.1E-09	2.3E-08	2.1E-03	2.9E-04	2.4E-03
Butylbenzylphthalate	1.3E+00				2.1E-06	2.8E-06	4.9E-06
Chrysene	1.8E+00	4.6E-10	2.6E-10	7.1E-10	6.1E-07	3.0E-07	9.1E-07
Dibenzo(a,h)anthracene	2.8E-01	7.0E-09	3.9E-09	1.1E-08	9.3E-08	4.6E-08	1.4E-07
Dibenzofuran	5.3E-01				4.5E-05	5.9E-05	1.0E-04
Di-n-butylphthalate	2.2E+00				7.8E-06	3.8E-06	1.2E-05
Di-n-octylphthalate	1.2E+00				2.2E-05	1.1E-05	3.3E-05
Fluoranthene	3.0E+00				9.7E-07	1.9E-06	2.8E-06
Fluorene	3.5E-01				1.1E-07	2.1E-07	3.3E-07
Indeno(1,2,3-cd)pyrene	9.3E-01	2.3E-09	1.3E-09	3.6E-09	3.1E-07	1.5E-07	4.6E-07
Methylnaphthalene, 2-	2.6E-01				8.3E-06	1.6E-05	2.4E-05
Naphthalene	3.7E-01				2.4E-07	4.6E-07	7.0E-07
Pentachlorophenol	4.5E-01	6.6E-10	5.7E-10	1.2E-09	5.3E-06	4.1E-06	9.4E-06
Phenanthrene	2.9E+00				1.2E-06	2.3E-06	3.5E-06
Pyrene	2.7E+00				1.2E-06	2.2E-06	3.4E-06
Polychlorinated biphenyls (PCBs)	2.5E+00	5.2E-08	7.6E-08	1.3E-07	1.5E-02	2.0E-02	3.5E-02
DDE	4.1E-02	1.7E-10	2.7E-10	4.4E-10	2.9E-05	4.1E-05	7.0E-05
DDT	1.1E-01	4.4E-10	6.9E-10	1.1E-09	7.5E-05	1.0E-04	1.8E-04
Antimony	2.3E+00				2.1E-03	1.4E-03	3.5E-03
Arsenic	1.3E+01	2.4E-07	5.6E-08	2.9E-07	1.5E-02	3.2E-03	1.9E-02
Barium	2.1E+03				1.1E-02	3.7E-03	1.4E-02
Beryllium	1.4E+00				9.6E-05	2.0E-05	1.2E-04
Cadmium	4.5E+01				3.2E-02	3.1E-02	6.3E-02
Chromium(III)	7.5E+01				1.8E-05	4.9E-06	2.2E-05
Lead	1.8E+02				4.2E-02	3.5E-03	4.5E-02
Mercury	1.7E-01				2.0E-04	7.0E-05	2.7E-04
Nickel	1.2E+01				2.1E-04	5.2E-04	7.4E-04
Silver	1.8E+00				1.3E-04	2.2E-04	3.5E-04
Zinc	7.9E+02				9.3E-04	1.3E-04	1.1E-03

Trespasser - Soil: Table TSIH-2
Equations to Calculate Cancer Risk for a Trespasser (Age 11-16 years)

Cancer Risk from Ingestion

$$ELCR_{ing} = LADD_{ing} * CSF$$

$$LADD_{ing} = \frac{[OHM]_{soil} * IR * RAF_{c-ing} * EF_{ing} * ED * EP * C}{BW * AP_{lifetime}}$$

Cancer Risk from Dermal Absorption

$$ELCR_{derm} = LADD_{derm} * CSF$$

$$LADD_{derm} = \frac{[OHM]_{soil} * SA * RAF_{c-derm} * SAF * EF_{derm} * ED * EP * C}{BW * AP_{lifetime}}$$

Vlookup Version v0808

Parameter	Value	Units
CSF	OHM specific	(mg/kg-day) ⁻¹
LADD	OHM specific	mg/kg-day
[OHM] _{soil}	OHM specific	mg/kg
IR	50	mg/day
RAF _{c-ing}	OHM specific	dimensionless
RAF _{c-derm}	OHM specific	dimensionless
EF _{ing,derm}	0.164	event/day
ED	1	day/event
EP	5	years
C	0.000001	kg/mg
BW	48.2	kg
AP _(lifetime)	70	years
SA	2796	cm ² / day
SAF	0.14	mg/cm ²

Trespasser - Soil: Table TSIH-3
Equations to Calculate Subchronic Noncancer Risk for a Trespasser (Age 11-12 years)

Vlookup Version v0808

Subchronic Noncancer Risk from Ingestion

$$HQ_{ing} = \frac{ADD_{ing}}{RfD_{subchronic}}$$

$$ADD_{ing} = \frac{[OHM]_{soil} * IR * RAF_{nc-ing} * EF_{ing} * ED * EP * C}{BW * AP}$$

Subchronic Noncancer Risk from Dermal Absorption

$$HQ_{derm} = \frac{ADD_{derm}}{RfD_{subchronic}}$$

$$ADD_{derm} = \frac{[OHM]_{soil} * SA * RAF_{nc-derm} * SAF * EF_{derm} * ED * EP * C}{BW * AP}$$

Parameter	Value	Units
RfD	OHM specific	mg/kg-day
ADD	OHM specific	mg/kg-day
[OHM] _{soil}	OHM specific	mg/kg
IR	50	mg/day
RAF _{nc-ing}	OHM specific	dimensionless
RAF _{nc-derm}	OHM specific	dimensionless
EF _{ing,derm}	0.286	event/day
EF _{cyanide}	1.00	event/day
ED	1	day/event
EP _{cyanide}	1	day
EP	0.577	years
C	0.000001	kg/mg
BW	40.3	kg
AP	0.577	year
AP _{cyanide}	1	day
SA	2477	cm ² / day
SAF	0.14	mg/cm ²

Cyanide can cause a significant health risk from one-time exposure to concentrations that are often found in the environment. As such, risk is calculated for a single exposure. Thus, for cyanide, the exposure frequency (EF) is 1 event/day, while both the exposure period (EP) and averaging period (AP) are 1 day.

Trespasser - Soil: Table TSIH-4
Definitions and Exposure Factors

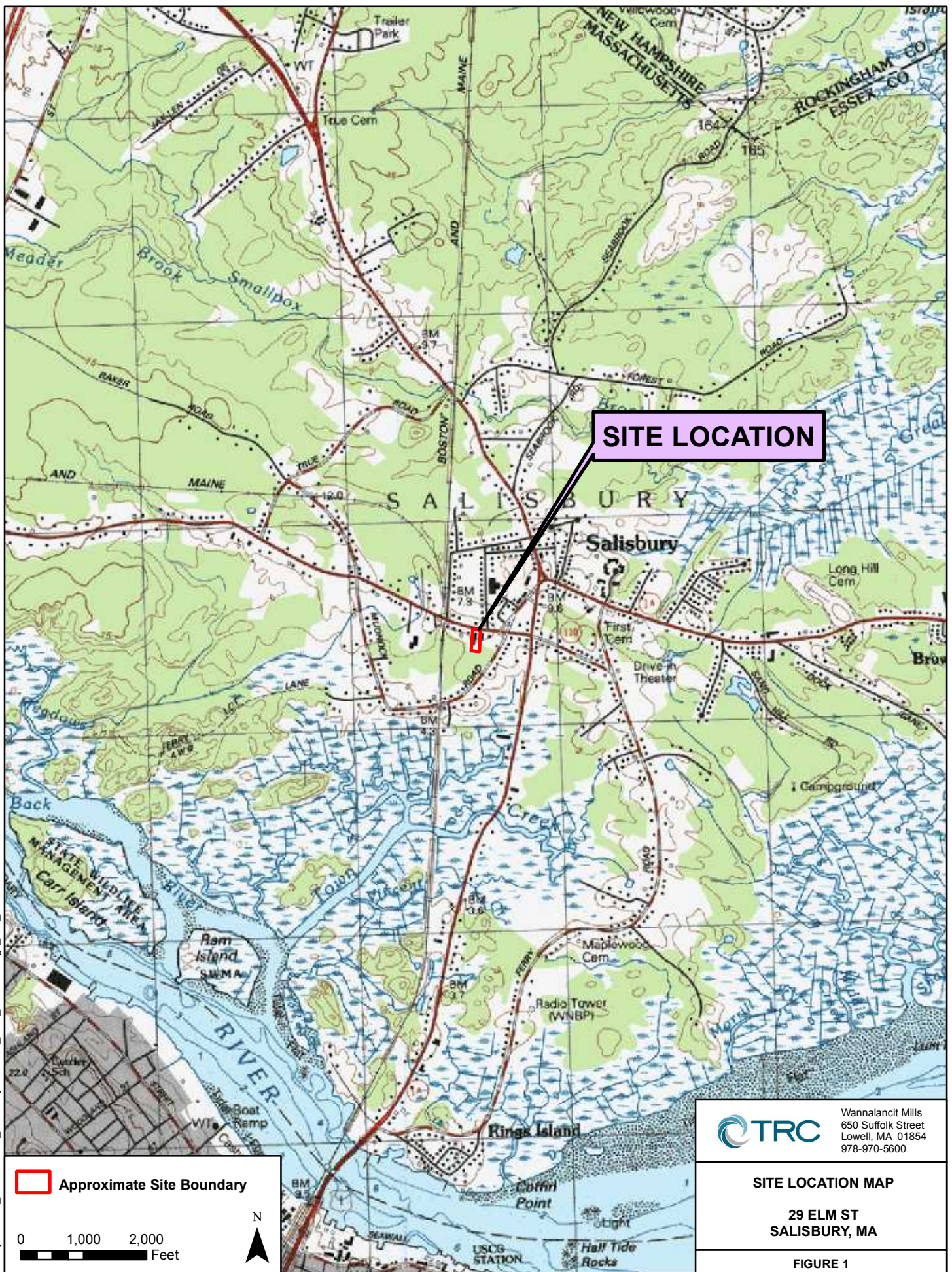
Vlookup Version v0808

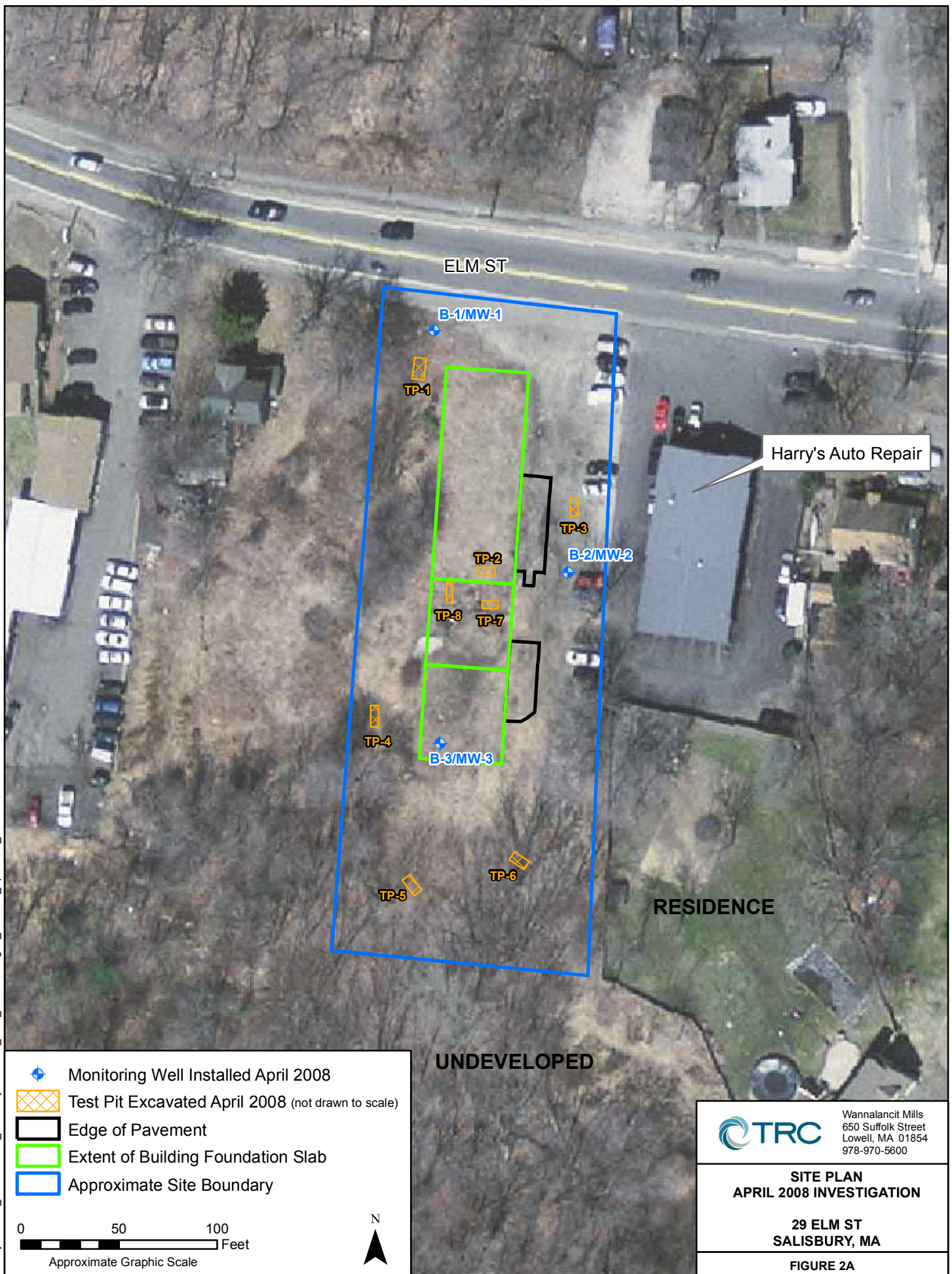
Parameter	Value	Units	Notes
ELCR - Excess Lifetime Cancer Risk	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhilation)
CSF - Cancer Slope Factor	chemical specific	(mg/kg-day) ⁻¹	see Table RS-7
LADD - Lifetime Average Daily Dose	chemical specific	mg/kg-day	Pathway specific
HQ - Hazard Quotient	chemical specific	dimensionless	Pathway specific (ing =ingestion, derm=dermal, inh=inhilation)
RfD - Reference Dose	chemical specific	mg/kg-day	see Table RS-7
ADD - Average Daily Dose	chemical specific	mg/kg-day	Pathway specific
EPC - Exposure Point Concentration	chemical specific	mg/kg	
IR - Soil Ingestion Rate	50	mg/day	MADEP. 2002. Technical Update: Calculation of an Enhanced Soil Ingestion Rate. (http://www.mass.gov/dep/ors/orspubs.htm)
RAF _c - Relative Absorption Factor for Cancer Effects	chemical specific	dimensionless	
EF _{subchronic} - Exposure Frequency for subchronic ingestion or dermal exposure	0.286	event/day	2 days/week
EF _{cancer} - Exposure Frequency for cancer, ingestion or dermal exposure	0.164	event/day	2 days/week, 30 weeks/year
EF _{cyanide} - Exposure Frequency for cyanide exposure	1.00	event/day	
ED - Exposure Duration	1	day/event	
EP ₍₁₁₋₁₂₎ - Exposure Period for age group 11-12	0.577	years	30 weeks
EP ₍₁₁₋₁₆₎ - Exposure Period for age group 11-16	5	years	
EP _{cyanide} - Exposure period for cyanide exposure	1	day	MADEP. 1995. Guidance for Disposal Site Risk Characterization. Page 5-5.
BW ₍₁₁₋₁₂₎ - Body Weight for age group 11-12	40.3	kg	U.S. EPA. 1997. Exposure Factors Handbook. Table 7-7
BW ₍₁₁₋₁₆₎ - Body Weight for age group 11-16	48.2	kg	Ibid
AP _{subchronic} - Averaging Period for subchronic noncancer	0.577	years	30 weeks
AP _{cancer} - Averaging Period for lifetime	70	years	
AP _{cyanide} - Averaging period for assessing cyanide exposure	1	day	MADEP. 1995. Guidance for Disposal Site Risk Characterization. Page 5-5.
SA ₍₁₁₋₁₂₎ - Surface Area for age group 11-12	2477	cm ² / day	50th percentile of forearms, hands, and feet for females. MADEP 1995 Guidance for Disposal Site Risk Characterization, Table B-2.
SA ₍₁₁₋₁₆₎ - Surface Area for age group 11-16	2796.1	cm ² / day	Ibid
SAF - Surface Adherence Factor, Trespasser	0.14	mg/cm ²	SAF developed for ShortForm according to procedure outlined in MA DEP Technical Update: Weighted Skin-Soil Adherence Factors, April 2002.

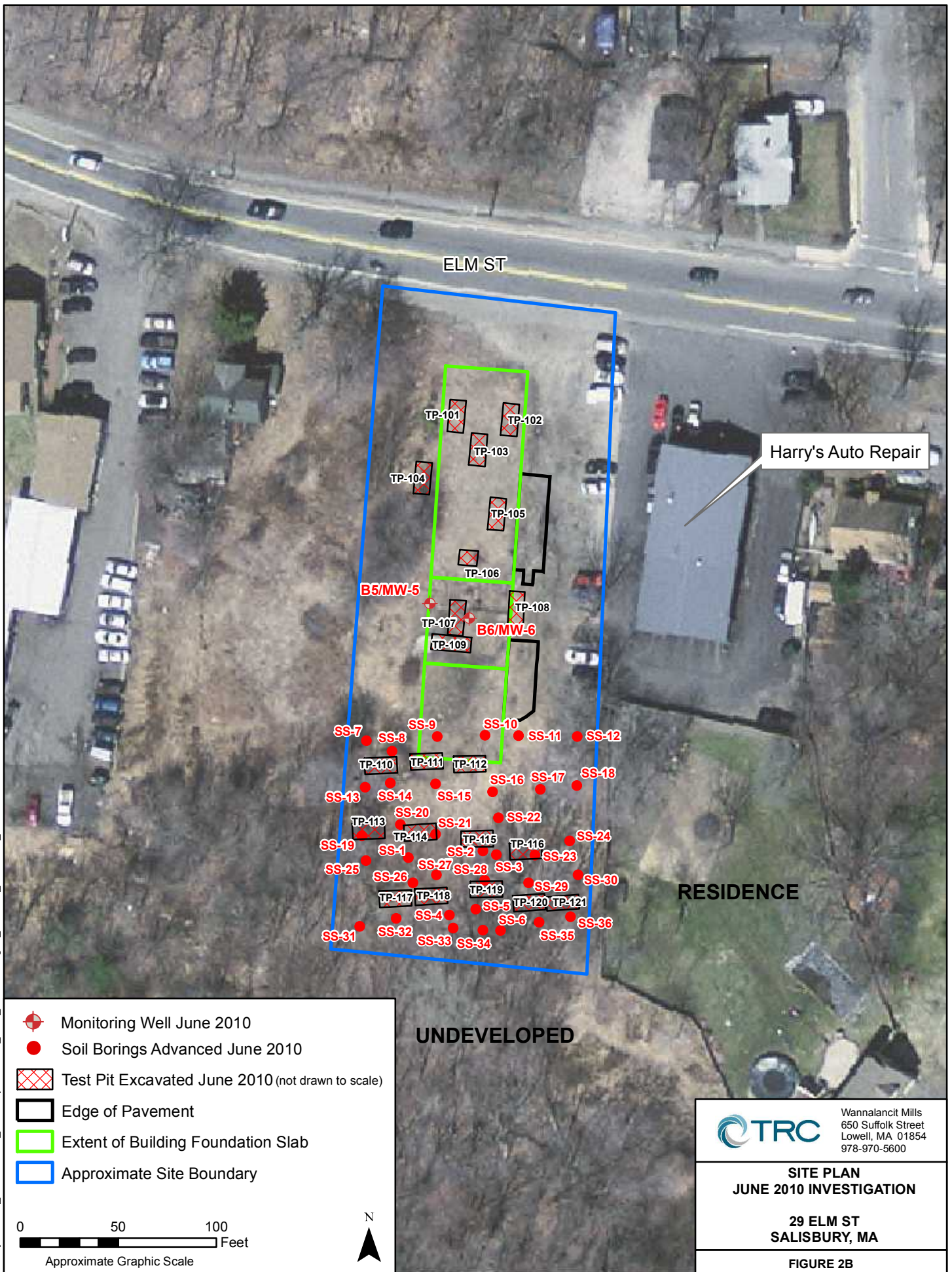
Trespasser - Soil: Table TSIH-5
Chemical-Specific Data

Vlookup Version v0808

Oil or Hazardous Material	CSF (mg/kg-day) ⁻¹	RAF _{c-ing}	RAF _{c-derm}	Subchronic RfD mg/kg-day	Subchronic RAF _{nc-ing}	Subchronic RAF _{nc-derm}
Acenaphthene				6.0E-01	0.36	0.1
Acenaphthylene				3.0E-01	0.36	0.1
Anthracene				3.0E+00	0.36	0.1
Benzo(a)anthracene	7.3E-01	0.28	0.02	3.0E-01	0.28	0.02
Benzo(a)pyrene	7.3E+00	0.28	0.02	3.0E-01	0.28	0.02
Benzo(b)fluoranthene	7.3E-01	0.28	0.02	3.0E-01	0.28	0.02
Benzo(g,h,i)perylene				3.0E-01	0.36	0.1
Benzo(k)fluoranthene	7.3E-02	0.28	0.02	3.0E-01	0.28	0.02
Bis(2-Ethylhexyl)phthalate	1.4E-02	1.00	0.02	2.0E-02	1	0.02
Butylbenzylphthalate				2.0E-01	0.96	0.18
Chrysene	7.3E-02	0.28	0.02	3.0E-01	0.28	0.02
Dibenzo(a,h)anthracene	7.3E+00	0.28	0.02	3.0E-01	0.28	0.02
Dibenzofuran				4.0E-03	0.96	0.18
Di-n-butylphthalate				1.0E-01	1	0.07
Di-n-octylphthalate				2.0E-02	1	0.07
Fluoranthene				4.0E-01	0.36	0.1
Fluorene				4.0E-01	0.36	0.1
Indeno(1,2,3-cd)pyrene	7.3E-01	0.28	0.02	3.0E-01	0.28	0.02
Methylnaphthalene, 2-				4.0E-03	0.36	0.1
Naphthalene				2.0E-01	0.36	0.1
Pentachlorophenol	1.2E-01	1.00	0.11	3.0E-02	1	0.11
Phenanthrene				3.0E-01	0.36	0.1
Pyrene				3.0E-01	0.36	0.1
Polychlorinated biphenyls (	2.0E+00	0.85	0.16	5.0E-05	0.85	0.16
DDE	3.4E-01	1.00	0.20	5.0E-04	1	0.2
DDT	3.4E-01	1.00	0.20	5.0E-04	1	0.2
Antimony				4.0E-04	1	0.1
Arsenic	1.5E+00	1.00	0.03	3.0E-04	1	0.03
Barium				7.0E-02	1	0.05
Beryllium				5.0E-03	1	0.03
Cadmium				5.0E-04	1	0.14
Chromium(III)				1.5E+00	1	0.04
Lead				7.5E-04	0.5	0.006
Mercury				3.0E-04	1	0.05
Nickel				2.0E-02	1	0.35
Silver				5.0E-03	1	0.25
Zinc				3.0E-01	1	0.02







APPENDIX F

PROJECT NOTIFICATIONS (TOWN OF SALISBURY CONSERVATION COMMISSION AND MASSACHUSETTS HISTORICAL COMMISSION)

REQUEST FOR DETERMINATION OF APPLICABILITY

under the

**MA Wetland Protection Act M.G.L. Ch. 131 §40 and
Town of Salisbury Bylaw Chapter 266: Wetlands Protection**

***Merrimack Valley Planning Commission
Proposed Soil and Groundwater Sampling As Part of the
Brownfields Assessment Program
29 Elm Street
Salisbury, MA***

March 2008

Submitted to:

Salisbury Conservation Commission
5 Beach Road
Salisbury, MA 01952

Prepared For:

Merrimack Valley Planning Commission
160 Main Street
Haverhill, MA 01830

Prepared by:

TRC Environmental
Wannalancit Mills
650 Suffolk Street, 2nd Floor
Lowell, MA 01854

Table of Contents

Section A: Request for Determination of Applicability Form—WPA Form 1

Section B: Project Narrative

1.0 Introduction

2.0 Project Location

2.1 Wetland Resource Areas

3.0 Proposed Activities

3.1 Compliance with the MA Wetland Protection Act Regulations

3.2 Erosion Controls

Section C: Abutter Information

Abutter List

Copy of Municipal Tax Map

Copy of Notification to Abutters Form

Section D: Maps & Figures

Color USGS Map

Color Aerial with Test Pit Locations

Site Photographs

Section A

Request for Determination of Applicability Form—WPA Form 1



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Salisbury

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Merrimack Valley Planning Commission

Name

E-Mail Address

160 Main Street

Mailing Address

Haverhill

City/Town

MA

State

01830

Zip Code

978-374-0519

Phone Number

978-372-4890

Fax Number (if applicable)

2. Representative (if any):

TRC Environmental

Firm

Ryan Niles

Contact Name

rniles@trcsolutions.com

E-Mail Address

650 Suffolk Street, 2nd Floor

Mailing Address

Lowell

City/Town

MA

State

01854

Zip Code

978-656-3629

Phone Number

978-453-1995

Fax Number (if applicable)

B. Determinations

1. I request the Salisbury make the following determination(s). Check any that apply:
Conservation Commission

- ☐ a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- ☐ b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- ☒ c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- ☒ d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Salisbury

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

29 Elm Street

Street Address

Salisbury

City/Town

Map 2

Assessors Map/Plat Number

Parcel 45

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

The parcel at 29 Elm Street is approximately 0.77 acres in size and is located on the south side of Elm Street. It is a previously disturbed, vacant parcel that consists of mainly grassed and dirt areas with forest to the south. The forested area exists as a bordering vegetated wetland connected to a larger wetland system to the south near Mudnock Road. A concrete slab left from a previous building is located on property.

- c. Plan and/or Map Reference(s):

Figure 1 – Site Plan (Aerial with test pit locations and wetland location)

Title

Date

Figure 2 – Site Plan (USGS Topographical Map with NHESP and Floodplain Data)

Date

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

As part of the Brownfields Assessment Program, the Merrimack Valley Planning Commission is proposing groundwater and soil sampling and monitoring efforts at 29 Elm Street in Salisbury, MA. All soil and ground water sampling is part of a Phase II investigation. Six test pits and three soil borings are proposed for sampling—refer to Figure 1. Monitoring wells are proposed to be installed in the three soil boring locations. Out of the six test pits, **five** are located within the 100-foot buffer zone and out of the three monitoring well borings, **two** are located in the 100-foot buffer zone. Erosion controls (hay bales) will be installed at the limit of work prior to excavation activities. Please refer to the Project Narrative for additional information.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Salisbury

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

According to 310 CMR 10.02(2)(b)(1): "Minor activities within the buffer zone and outside" any wetland resource areas "are not subject to regulation" including: (g) "Activities that are temporary in nature, have negligible impacts and are necessary for planning and design purposes (e.g. installation of monitoring wells, exploratory borings...)"

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- ☐ Single family house on a lot recorded on or before 8/1/96
- ☐ Single family house on a lot recorded after 8/1/96
- ☐ Expansion of an existing structure on a lot recorded after 8/1/96
- ☐ Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- ☐ New agriculture or aquaculture project
- ☐ Public project where funds were appropriated prior to 8/7/96
- ☐ Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- ☐ Residential subdivision; institutional, industrial, or commercial project
- ☐ Municipal project
- ☐ District, county, state, or federal government project
- ☐ Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

Salisbury

City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Name

Mailing Address

City/Town

State

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

Date

Signature of Representative (if any)

Date

Section B

Project Narrative

PROJECT NARRATIVE

Proposed Soil and Groundwater Sampling for Brownfields Assessment Program

1.0 Introduction

The Merrimack Valley Planning Commission (MVPC) is currently implementing a Brownfields Assessment Program utilizing grant funds provided by the U.S. Environmental Protection Agency (U.S. EPA). As part of this program, soil and groundwater sampling is prescribed as part of a Phase II Environmental Site Assessment. The 0.77 acre parcel of land located at 29 Elm Street in Salisbury, Massachusetts is included in the Brownfields Assessment Program and TRC Environmental, on behalf of MVPC has drafted a Quality Assurance Project Plan to perform and document the soil and groundwater sampling and monitoring. The objective of the Phase II is to assess the potential presence of contaminants from historic sources.

2.0 Project Location

The subject parcel is located at 29 Elm Street in Salisbury, MA. The parcel is approximately 0.77 acres in size and is located on the south side of Elm Street, just west of the Maple Street intersection. The property is a previously disturbed, vacant lot that contains grassed and dirt areas with forest to the south. Evidence of dumping and soil disturbance is present on property. There are existing concrete slabs, broken up pavement and remnants of foundations on property from previous building structures. Please see Section D, Figures 1 and 2 for a Project Locus.

Dominant upland vegetation is consistent with previously disturbed areas including species such as staghorn sumac (*Rhus typhina*), Queen Anne's lace (*Daucus carota*), milk weed (*Asclepias* sp.), goldenrod (*Solidago* sp.), multiflora rose (*Rosa multiflora*), blackberry (*Rubus* sp.), buckthorn (*Rhamnus cathartica*), black cherry (*Prunus serotina*) and red maple (*Acer rubrum*). The parcel abuts undeveloped lots to the north across Elm Street and to the south. The lot immediately to the east is occupied by Harry's Auto Repair facility and single-family residences are located to the southeast and west. The property is not within an area of mapped habitat by the Natural Heritage of Endangered Species Program additionally, there is no 100-year floodplain on the property (See Section D, Figure 2).

2.1 Wetland Resource Areas

Wetland scientists from TRC Environmental visited the property on March 13, 2008 and delineated the boundary of a bordering vegetated wetland (BVW). The BVW is assumed to be hydrologically connected to the perennial wetland system of Town Creek, located to the east and south of Mudnock Road. The wetland delineation consists of pink flagging labeled WF-1 to WF-13 on the west side of the property and WF-14 to WF-16 on the east side of the property. Dominant wetland plant species in the BVW include sensitive fern (*Onoclea sensibilis*), red maple, sphagnum moss, and American elm (*Ulmus Americana*). Invasive species such as purple loosestrife (*Lythrum salicaria*) and common reed

(*Phragmites australis*) are present in some areas of the wetland. The outer boundary of the wetland is disturbed with historic fill and dumping. See Section D, Figure 1 for the approximate location of the delineated wetland.

3.0 Proposed Activities

As part of the Quality Assurance Project Plan, six (6) test pits and three (3) soil borings are proposed on property. Four of the six test pits are located within the 100-foot buffer zone to BVW, with the closest being approximately 22 feet from the boundary. The test pits will be dug by utilizing a backhoe and will be approximately 10-feet below ground surface. Soil samples will be collected from the test pits and the holes will be backfilled immediately. All excavated soil will be stockpiled adjacent to the test pit for easy backfilling.

In addition to the test pits, three soil borings will be drilled on site, two of which are within the 100-foot buffer zone to the BVW resource. Soil borings will be installed using GeoProbe direct push method and the borings will be advanced until refusal is encountered or to a maximum depth of 20-feet below the surface. A soil sample will be collected from the boring locations and then monitoring wells will be installed in the boring locations to monitor the groundwater levels of the site. Groundwater samples will be collected from each of the wells over a period of time using low-flow sampling techniques.

All soil samples collected and ground water samples will be submitted to a laboratory to be tested for a variety of contaminants including metals, mercury and PCBs. See Section D, Figure 1 for the approximate location of the test pits, borings and wetland resource areas.

3.1 Compliance with the MA Wetland Protection Act Regulations 310 CMR 10.00

Under the MA Wetland Protection Act Regulations 310 CMR 10.02(2)(b)(1), minor activities within the 100-foot buffer zone, including but not limited to exploratory borings are exempt from filing a Notice of Intent: *“Minor activities within the buffer zone and outside” any wetland resource areas “are not subject to regulation” including: (g) “Activities that are temporary in nature, have negligible impacts and are necessary for planning and design purposes (e.g. installation of monitoring wells, exploratory borings...”*). Therefore, the Applicant is requesting a negative Determination of Application to be issued from the Conservation Commission. All excavation procedures are temporary in nature and no new permanent structures (with the exception of two-inch diameter monitoring wells) are proposed. Erosion controls are to be installed as an extra pre-cautionary measure as all soil excavation areas will be backfilled. No vegetation removal is proposed with the excavation activities, therefore there are no anticipated adverse impacts to the wetland resource area and to the 100-foot buffer zone of the resource area. The excavation activities are to collect soil and groundwater samples for testing of possible contaminants. If contaminants are found, a contingency plan may be required to remediate the soil and groundwater, thus having a positive impact on the adjacent wetland resource areas.

3.2 Erosion Controls

Erosion controls consisting of staked hay bales will be installed at the limit of excavation near the test pits within the 100-foot buffer zone to BVW. No stock piling of soil will occur on the wetland side of the hay bales. The erosion controls will be monitored during excavation activities to ensure that no soil penetrates the hay bales and enters the wetland resource area. Once the test pit excavation is complete and the hole is backfilled, the hay will be spread to assist in stabilization.

Section C

Abutter Information

Abutter List

Copy of Municipal Tax Map

Copy of Notification to Abutters Form

**Notification to Abutters In Accordance with the
MA Wetlands Protection Act: M.G.L Ch 131§40 and
Town of Salisbury Bylaw Chapter 266: Wetland Protection**

- A. The name of the applicant is Merrimack Valley Planning Commission.
- B. The applicant has filed a **Request for Determination of Applicability (RDA)** under the Massachusetts Wetlands Protection Act with the Salisbury Conservation Commission seeking authorization to proceed with minor excavation activities within the 100-foot buffer zone to boring vegetated wetland. The excavation activities are associated with test pit exploratory borings to collect groundwater and soil samples as part of the Brownfields Assessment Program.
- C. **The location of the work is 29 Elm Street Salisbury, MA.** The owner of the property is the Town of Salisbury.
- D. A copy of the RDA and associated project plans may be examined at the Salisbury Conservation Commission office during normal hours of operation. For more information, please contact the **Salisbury Conservation Commission at 978-499-0358** or you may contact the Merrimack Valley Planning Commission representative, **Ryan Niles of TRC Environmental at 978-656-3629** with questions and/or to obtain a copy of the RDA.
- E. Information regarding the date, time, and place of the public hearing may be obtained from the Salisbury Conservation Commission by calling 978-499-0358. Additionally, an advertisement for the public hearing will be run in the Newburyport Daily News newspaper at least 5 business days prior to the scheduled hearing.
- F. For additional information on the MA Wetland Protection Act and the accompanying regulations, you may contact the Salisbury Conservation Commission at 978-499-0358 or the Massachusetts Department of Environmental Protection, Northeast Region at 978-694-3200 or <http://www.mass.gov/dep/>

Section D

Maps & Plans

Color USGS Map

Aerial with Test Pit Locations

Site Photographs



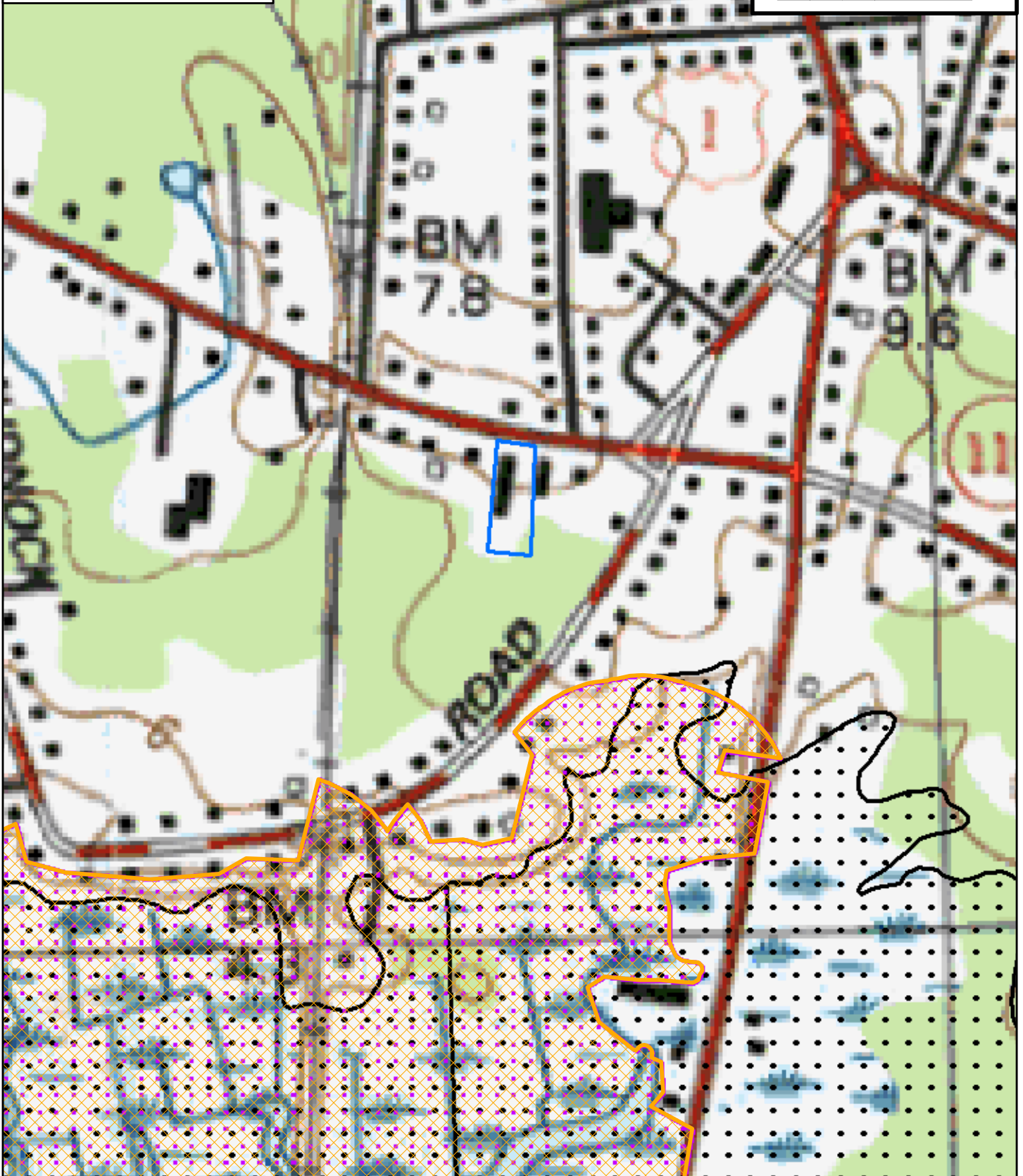
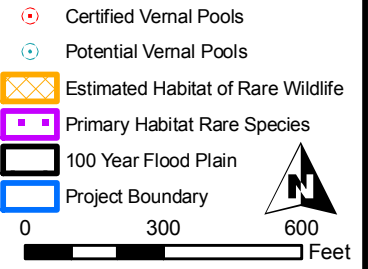


Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854
978-970-5600

SITE PLAN

29 ELM ST
SALISBURY, MA

FIGURE 2



Wachtel, Emilie (Lowell,MA-US)

From: Niles, Ryan (Pittsburgh,PA-US)
Sent: Friday, February 25, 2011 12:39 PM
To: Wachtel, Emilie (Lowell,MA-US)
Subject: FW: [SPAM?] 29 Elm Street soil investigation

From: Michelle Rowden [mailto:conservation@salisburyma.gov]
Sent: Monday, January 11, 2010 12:19 PM
To: Niles, Ryan (Lowell,MA-US)
Subject: RE: [SPAM?] 29 Elm Street soil investigation

Hi Ryan.

They had no problem with it. They felt it was in keeping with what was approved and do not feel an additional filing is necessary.

Thanks,

Michelle Rowden
Conservation Agent - Town of Salisbury - office: (978)499-0358 - cell: (978)417-9808 - fax: (978)462-3915

From: Niles, Ryan (Lowell,MA-US) [mailto:RNiles@trcsolutions.com]
Sent: Friday, January 08, 2010 2:21 PM
To: Michelle Rowden
Subject: [SPAM?] 29 Elm Street soil investigation

Hey Michelle,

How did the ConCom meeting go Wednesday night?
Did the Commission think my letter was sufficient or would they need another RDA?

Thank You,
Ryan Niles
TRC
978 656 3629

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A
MASSACHUSETTS HISTORICAL COMMISSION
220 MORRISSEY BOULEVARD
BOSTON, MASS. 02125
617-727-8470, FAX: 617-727-5128

PROJECT NOTIFICATION FORM

Project Name: 29 Elm Street Assessment

Location / Address: 29 Elm Street

City / Town: Salisbury

Project Proponent

Name: Mr. David Chaffin, Project Manager, MassDEP

Address: One Winter Street

City/Town/Zip/Telephone: Boston, MA 02108 617-348-4005

Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies).

Agency Name

Type of License or funding (specify)

US EPA Brownfields funding awarded to MassDEP

Project Description (narrative):

Soil and groundwater investigation at a former shoe manufacturing facility. See attached for more detail.

Does the project include demolition? If so, specify nature of demolition and describe the building(s) which are proposed for demolition.

No

Does the project include rehabilitation of any existing buildings? If so, specify nature of rehabilitation and describe the building(s) which are proposed for rehabilitation.

No

Does the project include new construction? If so, describe (attach plans and elevations if necessary).

No

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

To the best of your knowledge, are any historic or archaeological properties known to exist within the project's area of potential impact? If so, specify.

No

What is the total acreage of the project area?

Woodland	_____	acres	Productive Resources:	
Wetland	_____	acres	Agriculture	_____ acres
Floodplain	_____	acres	Forestry	_____ acres
Open space	0.77	acres	Mining/Extraction	_____ acres
Developed	_____	acres	Total Project Acreage	0.77 acres

What is the acreage of the proposed new construction? 0 acres

What is the present land use of the project area?

Vacant property

Please attach a copy of the section of the USGS quadrangle map which clearly marks the project location.

This Project Notification Form has been submitted to the MHC in compliance with 950 CMR 71.00.

Signature of Person submitting this form: Thomas Biolsi Date: 11/11/09

Name: Thomas Biolsi, PG - Project Manager

Address: TRC, 650 Suffolk Street

City/Town/Zip: Lowell, MA 01854

Telephone: 978-970-5600

REGULATORY AUTHORITY

950 CMR 71.00: M.G.L. c. 9, §§ 26-27C as amended by St. 1988, c. 254.

Project Description

TRC is conducting an environmental site assessment at the municipally owned property located at 29 Elm Street in Salisbury, Massachusetts (the "Site"). This site assessment will include sampling of soil and groundwater on Site and will be conducted on behalf of the Massachusetts Department of Environmental Protection (MassDEP). The Site is an approximately 0.77-acre vacant parcel on the south side of Elm Street, in Salisbury, Massachusetts. The Site is identified as Block 2, Lot 45 on Map 6 of the Town of Salisbury Assessors records. The Site's coordinates are 42° 50' 22.6" latitude and -70° 51' 50.4" longitude, and the Universal Transverse Mercator (UTM) coordinates are 4,744,473.5 meters Northing and 347,667.5 meters Easting. The Site is located approximately 0.1-mile west of the intersection of Massachusetts Route 110 (Elm Street) and U.S. Route 1 (School Street), near downtown Salisbury, Massachusetts.

The Site consists of a vacant lot which is thickly-wooded along the southern portion of the Site and grass-covered in the northern portion. A concrete slab, believed to be the floor of a former Site building, is located in the southeastern portion of the Site. The Site is abutted by undeveloped lots to the north across Elm Street and to the south. A book store borders the Site to the northeast, across Elm Street. The lot to the east of the Site is occupied by Harry's Auto Repair facility, and the properties to the southeast and west are occupied by single-family residences.

The Site was formerly the location of a shoe manufacturing facility. Records review indicated that the shoe factory was present on Site prior to 1894 and was demolished in 1994. There are currently no buildings located on Site.

Tasks to be performed for this project include sampling of surface and subsurface soil and groundwater. Data generated from analysis of surface soil samples will be used to conduct an imminent hazard evaluation to assess the potential for an imminent hazard posed by shallow, accessible soil. Subsurface soil samples will be analyzed to generate data to assess the nature and extent of soil contamination relative to regulatory cleanup criteria. Data generated from groundwater sample analysis will be used to assess groundwater conditions relative to documented soil contamination and historical uses of the Site.

Surface soil samples will be collected from 36 locations in the southern third of the Site on a 25-foot square grid. Surface soil samples will be collected from 0 to 12 inches below ground surface (bgs) using hand tools. Subsurface soil samples will be collected from 21 test pits advanced across the entire Site using a backhoe and from 3 soil borings advanced in the center of the Site using direct push methods.

Each of the 3 soil borings will be completed as a two-inch diameter poly-vinyl chloride (PVC) monitoring well. Following well development, one groundwater sample will be collected from each of the three newly-installed wells.

