PHASE III SUBSURFACE INVESTIGATION REPORT

Former Mystic Oral School for the Deaf
Groton, Connecticut

May 2014

Prepared for

STATE OF CONNECTICUT
DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT
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ACRONYMS

AOC	Area of Concern
AST	Aboveground Storage Tank
CGS	Connecticut General Statutes
CSM	Conceptual Site Model
DAS	Department of Administrative Services
DECD	Department of Economic and Community Development
DEEP	Connecticut Department of Energy and Environmental Protection
DQA	Data Quality Assessment
DUE	Data Usability Evaluation
DQOs	Data Quality Objectives
ELUR	Environmental Land Use Restrictions
EMI	Electromagnetic Inductance
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ETPH	Extractable Total Petroleum Hydrocarbons
FEMA	Federal Emergency Management Agency
GA PMC	GA Pollutant Mobility Criteria
GIS	Geographic Information Systems
GPR	Ground Penetrating Radar
GWPC	Groundwater Protection Criteria
IDEC	Industrial/Commercial Direct Exposure Criteria
IVC	Industrial/Commercial Volatilization Criteria
LEA	Loureiro Engineering Associates, Inc.
NAPL	Non-Aqueous Phase Liquid
NAVD	North American Vertical Datum
NTUs	Nephalometric Turbidity Units
OBRD	Office of Brownfield Remediation and Development
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethylene
PID	Photoionization Detector
PMC	Pollutant Mobility Criteria
PVC	Polyvinyl Chloride
QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QC	Quality Control
RCP	Reasonable Confidence Protocol
RDEC	Residential Direct Exposure Criteria
RPD	Relative Percent Difference
RSRs	Remediation Standard Regulations
RVC	Residential Volatilization Criteria

ACRONYMS (Cont.)

SCGD	Site Characterization Guidance Document
SEH	Significant Environmental Hazard
SIM	Selected Ion Monitoring
SPLP	Synthetic Precipitation Leaching Procedure
SSD	Sub-Slab Depressurization
SSI	Subsurface Investigation
SS-QAPP	Site-Specific Quality Assurance Project Plan
SVE	Soil Vapor Extraction
SVOCs	Semi-Volatile Organic Compounds
SWPC	Surface Water Protection Criteria
TCA	1,1,1-Trichloroethane
USGS	United States Geological Survey
UST	Underground Storage Tank
VOCs	Volatile Organic Compounds
4,4-DDE	4,4-Dichlorodiphenyldichloroethylene
4,4-DDT	4,4-Dichlorodiphenyltrichloroethane
4,4-DDD	Dichlorodiphenyldichloroethane

UNITS

%	percent
fbg	feet below grade
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
µg/kg	micrograms per kilogram
µg/l	micrograms per liter
µg/m^3	micrograms per cubic meter of air

1. INTRODUCTION

Loureiro Engineering Associates, Inc. (LEA) has prepared this report to document the findings of Phase III Subsurface Investigation (SSI) activities conducted at the developed portion of the state-owned Mystic Oral School property located in Groton, Connecticut (herein after referred to as the "Site"). The Phase III activities were authorized by the State of Connecticut Department of Economic and Community Development (DECD), Office of Brownfield Remediation and Development (OBRD). Funding for the Phase III activities were made available through a state grant and *An Act Promoting Economic Growth and Job Creation in the State* (Public Act No. 11-1).

The Site is the location of the former Mystic Oral School for the Deaf. The property is currently owned by the State of Connecticut and is maintained by the Department of Administrative Services (DAS). The Site is comprised of portions of two parcels, and includes one and a half acres of the 0 Oral School Road parcel and approximately 40 acres of the 240 Oral School Road Parcel. The property, of which the Site is a portion, consists of approximately 150 acres owned by the State of Connecticut. At the present, there are seven major buildings on the Site that were used for the school as dormitories, class rooms and ancillary facilities for the School, including a natatorium.

In 2011, the State of Connecticut identified the Site as surplus property. The DAS intends to sell the Site once the Site has been assessed and cleaned up as required by Public Act 11-1. The DECD contracted with LEA to conduct a Phase I Environmental Site Assessment (ESA), Phase II and Phase III SSI, and hazardous building materials (HBM) assessment of the Site. The findings of the Phase I Environmental Site Assessment (ESA), Phase II Subsurface Investigation and HBM assessment are documented in reports provided separately to DECD. This report documents the investigation of the extent and degree of soil contamination resulting from releases of hazardous waste or hazardous substances at the Site.

1.1 Purpose and Scope

The purpose of the Phase III SSI was to further assess the extent of any contamination resulting from releases of hazardous waste or hazardous substances at the Site that were identified in the Phase II SSI. The Phase III investigation was performed in general accordance with relevant components of the *Site Characterization Guidance Document* (SCGD) issued by the Connecticut Department of Energy and Environmental Protection (DEEP) in 2010 (DEEP, 2010). In accordance with the SCGD, the investigation was .based on a preliminary Conceptual Site Model

(CSM) that was developed first in the Phase I environmental assessment and refined in the Phase II SSI and are documented in the following reports:

- *Phase I Environmental Site Assessment Report – Former Mystic Oral School for the Deaf, Groton, Connecticut. LEA April 2013* and
- *Phase II Sub Surface Investigation Report – Former Mystic Oral School for the Deaf, Groton, Connecticut. LEA, June 2013.*

The preliminary CSM was revised as necessary based on the data generated during the course of this Phase III investigation.

This report documents the performance of the Phase III investigation, presents the results of the investigation as well as a final CSM that describes the nature and extent of contamination resulting from releases on the Site. This report also includes an evaluation of the identified soil contamination with respect to the requirements of the Remediation Standard Regulations (RSRs) and identifies those areas for which remediation would be warranted to bring the Site into compliance with the RSRs.

This report does not include an investigation of whether releases at the Site have affected groundwater quality. Preliminary groundwater data collected in the Phase II SSI did not identify any plume resulting from releases at the Site. However, if the Site is to be remediated in accordance with the RSRs, groundwater data will be necessary to document compliance with the applicable groundwater criteria and to demonstrate the effectiveness of the remedial actions undertaken to address soil contamination.

1.2 Report Organization

This report has been organized such that tables, figures, drawings, and appendices are presented following the text of the report. The information provided in the remaining sections of this report is presented as follows:

- A description of the physical features of the Site, its location, ownership history, and use is presented in Section 2;
- Information on the environmental setting of the Site is presented in Section 3;
- The preliminary CSM, which describes the suspected release mechanisms, contaminant migration pathways, affected environmental media, and the constituents of concern for each AOC, based on the results of the Phase II Subsurface Investigation, is provided in Section 4;
- A description of the SSI activities is provided in Section 5;

- The investigation results are presented in Section 6;
- A comparison of the laboratory results to regulatory criteria is provided in Section 7;
- Conclusions and an Updated Conceptual Site Model are provided in Section 8;
- Recommendations are provided in Section 9; and,
- References are provided in Section 10.

2. SITE INFORMATION

2.1 Site Location

The Site is located 0.2 miles north of the intersection of Oral School Road and Boulder Court and approximately 0.25 miles north of Interstate Highway 95 in the northeastern portion of Groton, Connecticut. The two parcels that comprise the Site are identified by the Town of Groton Tax Assessor's Office as 0 Oral School Rd and 240 Oral School Road, and are listed on the current Town of Groton Assessors Cards as Map IDs 261906297210E and 261906388923E, respectively.

Based on a review of the United States Geological Survey (USGS) 7.5-minute series topographic quadrangles for Old Mystic and Mystic, Connecticut, the center of the Site is located approximately at 41° 22'35" north latitude and 71° 58'19" west longitude (USGS, 1983 and 1984, photo-revised 1989 and 1996). The location of the Site, the topography of the surrounding area, and the locations of nearby water bodies, man-made structures, and major access routes are shown in Figure 2-1, which was developed from a portion of the above-referenced topographic quadrangle maps.

The zoning designation for the Site and surrounding area is RU-80, designating a rural residential area. Much of the area surrounding the Site is comprised of undeveloped land owned by the State of Connecticut. However, the Site is bordered by a number of residential properties to the south and west, along Oral School Road and Boulder Court.

2.2 Site Description

2.2.1 Site Characteristics

The characteristics of the Site are presented in the Site Plan provided as Drawing 2-1. As shown in this drawing, the parcel identified as 0 Oral School Road is situated along the west side of Oral School Road. The developed portion of this parcel encompasses approximately 1.5 acres and is improved with a paved parking lot. The parcel identified as 240 Oral School Road is situated along the east side of Oral School Road. The developed portion of this parcel encompasses approximately 40 acres. This parcel is improved with seven primary buildings used as part of the former Mystic Oral School for the Deaf and referred to as the Administration (Boys Wing) Building, Girls Wing, Whipple Building, Crouter Building, Durant Building, Pratt Building, and Rainbow House. In addition, the site improvements include a Maintenance Garage, Rainbow House Garage, Wood Shed, and ancillary driveways and parking lots. This parcel also includes a Recreation Field and fire pond identified as Mystic Oral School Pond.

The Site is currently vacant, with the exception of personnel conducting routine maintenance of the Site and associated buildings.

2.2.2 Facility Structures

The existing site buildings encompass an area of approximately 240,000 square feet. The buildings were constructed between approximately 1924 and 1976. A summary of each building that identifies the date that the building was constructed is provided in Table 2-1.

2.2.3 Utilities

Public utilities, including those for electric, sewer, and water are available at the Site. Electricity in the vicinity of the Site is provided by Connecticut Light and Power. Municipal sewer and water service is provided by the Town of Groton. Heat and hot water are provided to the buildings at the Site through a number of oil-fired steam boiler furnaces.

2.2.4 Site Ownership History and Use

In 1869, the Whipple Home School for Deaf Mutes was founded in Ledyard, Connecticut. In circa 1872, the school was re-located to the Mystic property. At this time, the school consisted of a house and a brick dormitory. The name Mystic Oral School for the Deaf was adopted in 1895. The State of Connecticut purchased the site property in 1921.

During its early years, the school property was self-sufficient. In addition to classrooms and dormitories, the school property included buildings to maintain agriculture and livestock operations. The property also included a dedicated sewage treatment plant. This treatment plant is located beyond the Site property boundary on DEEP-maintained property that abuts the Site to the south-southeast. Historically, buildings associated with farming practices were located on the existing Recreation Field.

During the developmental history of the school campus, a number of buildings were constructed as provided in Table 2-1. The buildings included classrooms, dormitories, as well as living space for families of children enrolled in the school. Various buildings also included gymnasiums, a photography laboratory, an internal combustion engine laboratory, as well as carpentry and paint shops. The Pratt building, the last structure constructed at the Site, was built in 1976 to provide a new gymnasium and natatorium.

The Mystic Oral School for the Deaf was closed in June 1980. Later that year, the name of the facility was changed to the Mystic Educational Center. The campus facility later became known as the Mystic Educational Center and Mystic Community Center O.S. Until it was closed in

2011, the facility was used by a number of entities including the State of Connecticut Department of Mental Retardation. The State of Connecticut leased the natatorium to the Johnson and Memorial Hospital and to the Town of Groton and other local community organizations. The Town of Groton Parks and Recreation Department also used the Recreation Field until 2011.

Between 1980 and 2011, the Boys Wing of the Administration Building was leased to Alion Science and Technology (Alion), a private company that provides engineering, research, testing, and development services to the United States Department of Defense. Alion used the Boys Wing for office space.

The parcel identified as 0 Oral School Road has been leased by the State of Connecticut to Reliance Fire Department, Incorporated. The portion of this parcel that is part of the Site has been used by the Old Mystic Fire Department to conduct fire-fighting training exercises.

2.2.5 Historical Wastewater Discharges

Prior to connecting to the municipal sewer system, wastewater generated at the Site was reportedly discharged to a series of filter beds located south-southeast of the Site on the State of Connecticut property maintained by DEEP. The filter beds were reportedly constructed along with a chlorine building and two holding ponds at this location. The time of the last discharge to this system and the first discharge to the Town of Groton wastewater treatment system is unknown.

3. ENVIRONMENTAL SETTING

3.1 Topographic Setting

The Site is located on a plateau that offers expansive views of the Mystic River to the east. Based on a review of the USGS 7.5-Minute Series Topographic Map of the Old Mystic and Mystic Connecticut Quadrangles, the Site is situated at an elevation of approximately 160 feet above mean sea level (USGS, 1983 and 1984, photo-revised 1989 and 1996). The topographic ground elevations at the Site are identified shown in Figure 2-1. East and southeast of the site buildings, the property slopes toward the Mystic River to the east. South and southwest of the site buildings, the property slopes toward the south. The western portion of the property slopes in general toward the south.

3.2 Surface Water and Drainage

The Mystic Oral School Pond, encompassing an area of approximately 0.5 acres, is located on the northern portion of the Site. The nearest off-site surface water body is the Mystic River, located approximately 0.3 miles east of the Site. The Mystic River flows into Long Island Sound.

Site drainage features include a combination of catch basins, dry wells, and parking lot leak-offs. Catch basins are present in the parking area surrounding the Pratt Building. These catch basins discharge to an outfall located south of the Pratt Building parking lot. Surface water runoff from the other parking lots is conveyed onto the surrounding ground surface via parking lot leak-offs. Roof drainage from several site buildings is directed toward drywells.

3.3 On-Site Wetlands

According to the United States Fish and Wildlife Service Wetlands Map (updated October 17, 2013), there are no mapped wetlands on the Site. However, the Mystic Oral School Pond located on the Site is identified as a freshwater pond and a small stream flows from the pond to the east toward the Mystic River.

3.4 Floodplain

Based on the Flood Insurance Rate Maps, New London County, Map Numbers 09011C0388G, 09011C0388G, and 09011C0526G, effective July 18, 2011, and prepared by the Federal Emergency Management Agency, the Site is located in an area outside of the 0.2 percent annual chance floodplain.

3.5 Groundwater Quality

Based upon a review of the most recent update to the Geographic Information System (GIS) groundwater quality data layer provided by DEEP (2012), and the *Water Quality Standards* published by the DEEP Water Management Bureau (CT DEEP, 1996, revised 2011), groundwater in the vicinity of the Site has a classification of "GA". Groundwater with a GA classification is defined as existing private and potential public or private supplies of water suitable for drinking without treatment, and baseflow for hydraulically connected surface water bodies.

3.6 Surface Water Quality

Based upon a review of the most recent update to the GIS surface water quality data layer provided by DEEP in 2012, and the *Water Quality Standards*, published by the DEEP Water Management Bureau (1996, revised 2011), the Mystic Oral School Pond located on the Site has a water quality classification of "A". Designated uses for Class A water include habitat for fish and other aquatic life and wildlife, potential drinking water supplies, recreation, navigation, and water supply for industry and agriculture. The Mystic River located east of the Site has a water quality classification of "SB". Designated uses for Class SB waters are habitat for marine fish and aquatic life and wildlife, commercial shellfish harvesting, recreation, industrial water supply, and navigation.

3.7 Surficial and Unconsolidated Geology

Information regarding the surficial and unconsolidated geology in the vicinity of the Site was obtained from a review of the Quarternary Geologic Map of Connecticut and Long Island Sound Basin (Stone, et al, 2005) and the DEEP GIS data layer for surficial materials provided by DEEP in 2013. This information was also obtained from observations made during the Phase III SSI activities. Unconsolidated surficial geologic deposits near the Site are comprised of glacial ice-laid deposits described as thin till. The till consists of non-sorted, generally non-stratified mixtures of grain-sizes ranging from clay to large boulders. Sands and silts compose the majority of the till matrix. As presented in Section 6.1, soils encountered during the Phase II and Phase III investigation activities included very fine-grained to fine-grained sands with trace amounts of silt and gravel, and are consistent with the published information regarding unconsolidated materials near the Site.

3.8 Bedrock Geology

Based on a review of the most recent update to the GIS bedrock data layer provided by DEEP in 2003, and the *Geologic Map of the Old Mystic Quadrangle, Connecticut* (Rodgers, 1985), bedrock beneath the Site and surrounding area is mapped as three different formations: the Plainfield Formation, the Hope Valley Alaskite Gneiss, and the Mamacoke Formation. The Plainfield Formation is described as interlayered thinly bedded quartzite, mica schist, and dark-gray gneiss. The Hope Valley Alaskite Gneiss is described as a light-pink to gray, medium to coarse-grained granitic gneiss. The Mamacoke Formation is described as an interlayered light to dark gray medium-grained gneiss.

Bedrock was observed to outcrop at several locations at the Site. Moreover, blasting was reportedly needed to remove bedrock so that the driveway southeast of the Boys Wing could be constructed and so that the underground storage tank (UST) adjacent to the Pratt Building could be installed (LEA, 2013). Based on the results of the Phase II SSI, bedrock is present beneath other areas of the Site at less than approximately 15 feet below grade (fbg).

3.9

During the Phase II SSI conducted at the Site, groundwater was encountered in overburden monitoring wells at a depth of approximately 10 fbg (LEA, 2013). Based on the published topographic maps referenced in Section 2.1, and on observations of the topography made by LEA personnel at the Site, groundwater for the eastern extent of the Site is believed to flow to the east toward the Mystic River. With the exception of the western portion of the property, groundwater is otherwise expected to flow toward the southeast toward the Mystic River. For the western portion of the Site, groundwater is expected to flow toward the south and southwest to a tributary of the Mystic River located west of Oral School Road.

According to the *Atlas of Public Water Supply Sources and Drainage Basins of Connecticut, Bulletin Number 4* (DEEP, 1982), no public water supply wells are located within an approximate one-mile radius of the Site. Based upon a review of the most recent update to the GIS aquifer protection data layer provided by DEEP in 2013, there are no aquifer protection areas in the vicinity of the Site.

4. PRELIMINARY CONCEPTUAL SITE MODEL

4.1 Areas of Concern

To effectively evaluate the potential for contamination to exist at the Site, it is necessary to develop a preliminary CSM that describes the conditions and processes at the Site that are likely to influence contaminant fate and transport. Based on an evaluation of information obtained during the Phase I and Phase II (LEA, 2013), a preliminary, site-specific conceptual model that described potential release locations and mechanisms, contaminant fate and transport characteristics, and potential contaminant migration pathways was developed. Such an understanding of the site-specific characteristics was necessary to develop an effective investigation strategy in which samples would be collected from the appropriate media and at the appropriate locations and depths where contamination from a release would most likely be detected.

The preliminary CSM identified 17 areas of concern (AOCs) where hazardous substances or hazardous waste are known or suspected to have been released. The locations of the AOCs are shown on Drawing 4-1, titled Soil Sampling Locations, which also shows all soil sampling locations from both the Phase II and Phase III SSIs. A summary of the preliminary CSM for each AOC has been provided below, while a more detailed description of the preliminary CSM for each AOC has been included in Table 4-1.

4.2 AOC 1 - Recreation Field

The Recreation Field located in the northern portion of the Site was used historically to grow crops. This area of the Site was reportedly the location of several small buildings that were associated with farming activities (LEA, 2013). The field has also been used as a baseball diamond and a football field. Historically, fill material was placed in the area of this field to level the area and to maintain its playing condition (LEA, 2013).

Contaminants of concern within this AOC include pesticides and herbicides that may have been applied when the field was used to grow crops. Other constituents of concern include contaminants that may have been included in fill material that was placed in this area. These additional constituents include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), extractable total petroleum hydrocarbons (ETPH), polychlorinated biphenyls (PCBs), and metals.

In the Phase II SSI, soil samples in the northeastern corner of the recreation field were found to contain SVOCs, primarily polynuclear aromatic hydrocarbons (PAHs), and ETPH. However, it

was not clear whether the shallow soil contamination was present as a result of the placement of contaminated fill or whether the contamination was a localized result of a spill of petroleum products.

4.3 AOC 2 - Fire Department Training Area and Area of Fill

The 0 Oral School Road parcel located on the western portion of the Site is the former location of the Cook's House. This parcel is currently used as a fire fighting training center. The former Cook's House was destroyed in a fire during fire training exercises. In addition, fill material was placed in this area of the Site.

Potential sources of contamination include fuels that may have been used as an ignition source for fire training, and impacted fill material. Constituents of concern include VOCs, SVOCs, ETPH, PCBs, and metals.

Lead, VOCs, primarily acetone, and PAHs were detected in shallow soil samples collected during the Phase II SSI.

4.4 AOC 3 - Solid Waste Disposal Area

The area located to the north of the entrance to the Pratt Building has reportedly been used historically as a disposal area for scrap metal, wood, asphalt, and concrete. Constituents of concern include: VOCs, SVOCs, ETPH, and metals.

Soil samples from the waste as part of the Phase II SSI contained PAHs and ETPH indicating that the soils placed in the disposal area included some solid waste.

4.5 AOC 4 - Former Oiled Gravel Driveway

The driveway located north of the Girls Wing was previously identified as an "Existing Oiled Gravel Driveway." Oil was reportedly applied to this driveway for dust control purposes. The contaminants of concern for this AOC include SVOCs and ETPH.

In the Phase II SSI, although some PAHs were detected in one sample, in general the soil samples from this AOC did not contain constituents of concern. It was concluded in the Phase SSI, that the constituents were most likely associated with the asphalt and that further investigation of contaminants that may have been present in the oil applied to the area was not necessary.

4.6 AOC 5 - Former and Existing Underground Storage Tanks

A number of USTs have been utilized at the Site to store petroleum products including, heating oil, fuel oil (diesel), and gasoline. One heating oil UST has been reportedly abandoned in-place, and four other heating oil USTs have been removed from the Site. In addition, one UST formerly used to store gasoline was removed from the Site. A diesel fuel UST associated with the Emergency Generator (AOC 13) was also removed from the Site. Existing USTs at the Site include three 10,000-gallon USTs used to store heating oil.

Releases of petroleum associated with USTs at the Site have previously been reported. While the laboratory analytical data for samples collected following response actions taken to address these releases indicate that the impacts have been cleaned-up, there may have been other UST releases that have not been addressed. Constituents of concern include VOCs, SVOCs, ETPH hydrocarbons, and metals.

Based on the findings of the Phase II SSI, a number of PAH compounds are present in shallow soil in the area of the UST abandoned in-place adjacent to the Rainbow House. In addition, a number of PAH compounds and petroleum hydrocarbons are present in soil next to the smokestack associated with the Administration Building boiler room and downgradient of former heating oil USTs. The identification of pieces of coal within the samples collected from the soil boring advanced to assess this area of the Site suggests that the constituents present in soil at this location have resulted from boiler room operations and not from UST operations.

4.7 AOC 6 - Aboveground Storage Tanks

There are two existing 275-gallon heating oil aboveground storage tanks (ASTs) maintained at the Site. One AST is located in the basement of the Rainbow House, and the other is located in the Maintenance Garage. The concrete floors beneath each tank were observed to be stained with oil. Contaminants of concern include VOCs, SVOCs, and ETPH.

Samples collected in the Phase II SSI from the soil most likely affected by releases of petroleum did not contain any constituents of concern at concentrations greater than the detection level. The Phase II SSI report concluded that there was no evidence of a release at this AOC.

4.8 AOC 7 - Perimeter of Existing Buildings

The use of pesticides and herbicides to control pests and weeds is a common practice. Heavy application of pesticides and herbicides at State-owned facilities is known to have occurred. At the Site, these chemicals would have typically been applied to the ground surface along the perimeter of buildings. Given the age of the Site buildings and apparent extended use of

pesticides and herbicides, the possibility of contamination in the shallow soils exists as a result of pesticide and herbicide application. Constituents of concern include pesticides and herbicides.

Also, given the age of the site buildings it is possible that lead-based paint was applied to the exterior of the buildings. Any lead-based paint that leached from weathered window frames or other exterior wood building components, or that peeled from exterior concrete block, may have resulted in the release of lead to shallow soil. Evidence that paint had leached from wooden window frames was visually observed during the Phase I ESA activities. Thus, lead is a constituent of concern.

Based on the results of the Phase II SSI, lead has been released to shallow soils around the Administration Building, Boys Wing, and Wood Shed. In addition, chlordane and heptachlor epoxide have been released to shallow soils adjacent to the Crouter Building.

4.9 AOC 8 - Electrical Transformers

Four exterior, wet-type electrical transformers were observed during the site reconnaissance. The transformers are situated upon concrete pads. No stains were observed on the underlying concrete pads. Potential release mechanisms include spills of dielectric fluid to the concrete pad and to the surrounding soil. The constituents of concern include ETPH and PCBs.

The Phase II SSI concluded that because there was no visible evidence of a spill from the transformers that no sampling was necessary.

4.10 AOC 9 - Crouter Building

The Crouter Building was used for classroom space, a carpentry shop, a paint room/spray paint booth, an internal combustion engine laboratory, and a gymnasium. The building is currently used to store equipment and materials. Materials stored in the building include empty containers of hydrochloric acid. Areas of the floor within the internal combustion engine laboratory were observed to be stained. Potential transport mechanisms include the migration of spilled materials through the concrete floor. The contaminants of concern include VOCs, SVOCs, ETPH, and metals.

The Phase II SSI concluded that there was no evidence of a release of hazardous substances that had migrated into the underlying soil.

4.11 AOC 10 - Administration Building and Girls Wing Boiler Rooms

A release of heating oil was previously reported to have occurred within the boiler room of the Administration Building. The release reportedly resulted in the migration of heating oil across the floor into the sump. The bottom of the sump is at an elevation below the water table at the Site and groundwater is present in this sump. In addition, boiler blow-down water that is discharged on a daily basis to the sump was historically discharged through the concrete floor of this room. Heating oil released to the concrete floor of the boiler room may have migrated through the floor and impacted underlying soil. In addition, boiler blow-down water released directly through the concrete floor may have impacted underlying soil.

The boiler within the basement of the Girls Wing provides steam and hot water throughout this building. The boiler is fueled using No. 4 heating oil, but had previously been fueled using No. 6 heating oil and pre-heaters. Originally, the boiler was fueled using coal. A coal chute was located along the boiler room east wall. The constituents of concern include VOCs, SVOCs, ETPH, and metals.

Based on the findings of the Phase II SSI, a number of PAH compounds and petroleum hydrocarbons have been released to soil in the vicinity of the former coal chute associated with the original boiler in the Girls Wing of the Administration Building.

4.12 AOC 11 - Administration Building Storage Rooms and Photography Lab

The storage rooms within the Administration Building include a janitor room. The janitor room was observed to contain a number of chemical cleaning products. The floor of the janitor room was observed to be stained. The constituents of concern include VOCs, SVOCs, ETPH, and metals.

The photography laboratory located on the ground floor of the Boys Wing was observed to be constructed of cinder block. The floor within this laboratory appeared to be in relatively good condition. No staining was observed. A drain located within this room was reported to be connected to the on-site wastewater discharge system. Chemicals that were spilled to the floor of the laboratory may have migrated through the concrete or around the floor drain piping. The constituents of concern include VOCs, metals, and cyanide.

The Phase II SSI concluded that there was no evidence of a release of constituents of concern to the soil underlying the Administration Building storage room and photography lab.

4.13 AOC 12 - Hydraulic Elevators

Two hydraulically-powered elevators exist within the Administration Building. A passenger elevator is located within the central part of the Administration Building. A freight elevator is located adjacent to the loading dock within this building and was formerly used to deliver goods to the kitchen located on the second floor. In addition, one pulley-operated elevator is located within the boiler room of the Administration Building. The concrete floor was stained near the hydraulic reservoir of the freight elevator. The constituents of concern include VOCs, SVOCs, ETPH, PCBs, and metals.

Based on the results of the Phase II SSI, a number of PAH compounds were released to soil in the vicinity of the hydraulic elevator formerly used to deliver goods to the kitchen of the Administration Building. However, it was not clear whether the source of the PAHs was from the hydraulic elevators or from another source.

4.14 AOC 13 - Emergency Generator

The reported release of approximately 150 to 200 gallons of diesel oil to the ground in the area of the Emergency Generator may have impacted subsurface soil. In addition, there may have been other releases of diesel oil from the UST formerly located in this AOC. The diesel oil may have been released directly to the soil from a leak in the UST or subsurface piping. Oil released to the ground may have migrated through shallow soil and impacted subsurface soils. The constituents of concern include VOCs, SVOCs, metals, and ETPH.

Based on the findings of the Phase II SSI, a number of PAH compounds and petroleum hydrocarbons are present in shallow soil in this area of the Site as a result of the spill of diesel fuel.

4.15 AOC 14 - Maintenance Garage / Storage Areas

A heating oil-fired furnace and associated 275-gallon heating oil AST are located along the southern wall of the Maintenance Garage. Gasoline is also stored in the garage in small containers of less than 5-gallons in size. The garage is used to perform routine maintenance on lawn mowers and other small power equipment.

Several containers of liquid waste are stored in the Wood Shed. Waste oils and waste gasoline were observed to be stored on a containment pallet in this shed. This liquid waste accumulation area of the Wood Shed represents an AOC. The concrete floor of the Wood Shed was observed to be heavily stained with oil. The constituents of concern include VOCs, SVOCs, ETPH, PCBs, and metals.

Based on the findings of the Phase II SSI, PAHs and petroleum hydrocarbons were released to shallow soil adjacent to the Rainbow House garage. In addition, PAHs, petroleum hydrocarbons, and silver were released to shallow soil beneath the Wood Shed.

4.16 AOC 15 - Pratt Building Mechanical Rooms

The Pratt Building mechanical rooms include the boiler room and the pool chemical supply room. The floor of the boiler room was observed to be stained in several areas. The pool chemical supply room was formerly used to add chlorine to circulated pool water and to back-flush the pool water. The floor of this room was also observed to be stained. The staining that was observed in the mechanical rooms is typical for the functions served by these rooms. The constituents of concern include VOCs, SVOCs, ETPH, and metals.

The Phase II SSI concluded that there was no evidence of a release in this AOC.

4.17 AOC 16 - Former Site Features

The former site features include the rubbish burner and the two buildings identified as a shop and a garage formerly located north of the driveway/parking area that is north of the Administration Building. Based on the apparent use of these former features, it is possible that chemicals may have been released to the ground in this area of the Site. Potential release mechanisms include spills from equipment or containers onto the ground surface. The constituents of concern include VOCs, SVOCs, ETPH, PCBs, and metals.

Based on the results of the Phase II SSI, a number of metals, petroleum-related VOCs and PAHs, and petroleum hydrocarbons have been released to soils in the vicinity of the Former Rubbish Burner and former Garage.

4.18 AOC 17 - Loading Docks

The loading docks at the Site were used to receive goods and materials, including small quantities of chemicals, delivered to the Administration Building and the Durant Building. The loading docks did not appear to be stained. Any chemicals that may have been spilled on the loading docks could have flowed onto the adjoining ground surface and could have migrated through the paved surface to underlying soils. The constituents of concern include VOCs, SVOCs, ETPH, and metals.

Based on the results of the Phase II SSI, phenanthrene and petroleum hydrocarbons are present in soil adjacent to the Durant Building loading dock. However, no evidence of a release was identified at the loading dock for the Administration Building.

5. PHASE III SUBSURFACE INVESTIGATION ACTIVITIES

5.1 Approach

The Phase III SSI was conducted to further characterize the nature and extent of release areas identified during Phase II SSI activities. The location of and depth of samples that were analyzed were based on the potential migration pathways for the contaminants released at the Site as described in the CSM. In general, most of the releases that were identified in the Phase II were the result of surface spills, and therefore the sampling focused on determining the extent of contamination in shallow soils as well as determining the depth to which contaminants might have migrated in soil at the Site.

5.2 Geophysical Survey

Prior to initiating Phase III SSI sampling activities, LEA subcontracted Corbuilt LLC (Corbuilt) of Canterbury, Connecticut to: (i) locate subsurface utilities at the Site; and (ii) locate any USTs and appurtenant piping at the Site. Corbuilt used radio frequency and ground-penetrating radar (GPR) procedures to locate these features. In addition, Corbuilt used the subsurface geophysical surveying techniques to identify whether or not proposed sampling locations possibly conflict with underground utilities.

5.3 Soil Investigation

LEA field personnel conducted Phase III soil boring activities from August 26, 2013 through August 30, 2013. During this time, a total of 40 soil borings were advanced at the Site. A tabular summary of each soil boring is included as Table 5-1 and the location of each soil boring is identified on Drawing 4-1. It is noted that a number of soil borings that were initially planned were not completed because the boring locations were found to be inaccessible or because subsequent evaluation of available information resulted in the finding that the soil borings were not needed for this phase of investigation. Accordingly, the soil borings are not numbered consecutively.

Phase III SSI activities also included the collection and analysis of 20 surficial soil samples collected from the upper six inches (identified as SS-300 through SS-319), and presented in Table 5-1 and Drawing 4-1. A total of six test pits were also excavated within AOC-3 – Solid Waste Disposal Area. Soil samples were collected from within two of the six test pits (Test Pit 1 and Test Pit 2). A summary of each test pit soil sample analyzed is included in Table 5-1 and the location of each test pit is identified on Drawing 4-1.

The rationale for advancing the soil borings and collecting soil samples from the locations shown in Drawing 4-1 is included in the CSM provided as Table 4-1. In general, the soil borings were advanced using LEA's Geoprobe® Model 5400 truck-mounted, direct-push probe in accordance with LEA's *Standard Operating Procedure for Geoprobe® Probing and Sampling.* Copies of LEA's Standard Operating Procedures are provided in Appendix A. For the locations that could not be accessed using this equipment, the soil borings were advanced manually using a hand auger, in accordance with LEA's *Standard Operating Procedure for Hand Auger Borings*. The soil borings were advanced to the proposed depths ranging from approximately 2 fbg to 16 fbg, or to the depth at which the Geoprobe® tools or hand augers could not be advanced further due to refusal.

During the advancement of each soil boring and the collection of each soil sample, LEA's geologist classified and logged a description of the materials encountered. The materials were classified using a modified Burmister soil classification system in accordance with LEA's *Standard Operating Procedure for Geologic Logging of Unconsolidated Sedimentary Materials* (Appendix A). The soils were also examined for evidence of a release, such as staining, odors, or visible separate-phase petroleum products. In addition the soils were screened in the field for the presence of VOCs using a photoionization detector (PID). Copies of the Geologic Boring Logs, which contain descriptions of the subsurface materials encountered during the soil boring process, are provided in Appendix B.

During the soil boring advancement process, discrete soil samples were collected from each two-foot interval encountered. The surface soil samples were collected from a shallow depth of 0 to 6 inches below the ground. Aliquots of soil from each interval sampled were collected in appropriate containers for potential laboratory analyses in accordance with LEA's *Standard Operating Procedure for Soil Sampling* (Appendix A). Soils collected specifically for laboratory analysis for VOCs were collected and preserved in accordance with LEA's *Standard Operating Procedure for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds* (Appendix A).

Each soil sample was placed into laboratory-supplied sample containers for possible analyses. These samples were submitted to Con-Test Analytical Laboratory of East Longmeadow, Massachusetts (Con-Test) along with the corresponding quality assurance/quality control (QA/QC) samples for possible analysis for one or more of the following analytical parameters using the DEEP Reasonable Confidence Protocol (RCP) versions of the following analytical methods: VOCs using SW-846 EPA Method 8260C; SVOCs using SW-846 EPA Method 8270D; PCBs using SW-846 EPA Method 8082; extractable total petroleum hydrocarbons (ETPH) using the Connecticut-approved ETPH method; pesticides using SW-846 EPA Method

8081; and total RCRA-8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) plus copper, nickel, and zinc using the appropriate EPA SW-846 6000 and 7000 series of methods.

LEA instructed the laboratory to analyze select samples based on observations made in the field, including PID measurements, and on the potential constituents of concern associated with the area being assessed. The laboratory was instructed to analyze 89 of the 133 soil samples submitted to the laboratory. The sampling and analytical information for each soil sample collected is summarized in Table 5-1.

5.3.1 Quality Assurance/Quality Control Sampling

During the Phase III SSI activities, LEA field personnel submitted QA/QC samples to Con-Test for laboratory analyses. The QA/QC samples were collected in accordance with LEA's *Standard Operating Procedure for Quality Assurance/Quality Control Procedures for Field Activities* (Appendix A). The QA/QC samples included 2 equipment rinsate blank samples associated with soil sampling activities conducted between August 26 and 30, 2013. The QA/QC samples also included four trip blank samples associated with soil sampling activities conducted on August 26, 27, 28, 29 and 30.

The QA/QC samples also included field duplicate samples. A summary of field duplicate soil samples collected are as follows:

- On August 27, 2013 from a depth of 0 to 2 fbg at soil boring SB-313;
- On August 27, 2013 from a depth of 0 to 2 fbg at soil boring SB-314A;
- On August 28, 2013 from a depth of 0 to 0.5 fbg at surface soil location SS-318; and,
- On August 30, 2013 from a depth of 0 to 2 fbg at soil boring SB-339.

5.4 **Field Survey**

On August 20th, LEA personnel performed a field survey to locate each of the sample locations relative to the horizontal and vertical datum established for the Site. The information from this survey was used to update the site base map, which depicts the locations of the samples collected from the Site.

6. PHASE III INVESTIGATION RESULTS

6.1 Soil Observations

In general, the subsurface materials encountered during Phase III SSI activities were observed to be consistent with both the published information regarding unconsolidated materials near the Site, and previous Phase II observations. As described in Section 3.7, unconsolidated surficial geologic deposits near the Site are comprised of till, consisting of non-sorted, generally non-stratified mixtures of grain-sizes ranging from clay to large boulders. Sands and silts compose the majority of the till matrix. Based on visual observations completed during the advancement of the soil borings, the Site is underlain by very fine-grained to fine-grained sands with trace amounts of silt and gravel. The subsurface materials were typically observed to be loose and moist. Saturated soils indicative of groundwater were encountered in borings at depths ranging from approximately 4 fbg (SB-337) to 8 fbg (SB-306 and SB-312).

During the Phase II and Phase III SSI activities, the advancement of the Geoprobe® direct-push equipment was met with refusal at various soil boring locations across the Site, generally between depths of approximately 7 and 12 fbg. It is believed that refusal of the of the Geoprobe® direct-push equipment was generally due to the presence of bedrock at or near the depth of refusal. While the depth to rock was not confirmed by coring into the bedrock, it is expected that bedrock occurs at these depths given the site topographic setting and the observed bedrock that outcrops at various locations at the Site.

6.2 Soil Analytical Results

6.2.1 Overview

A list of constituents detected in soil is provided in Table 6-1, and a list of all laboratory analytical results for the soil samples collected at the Site is provided in Table 6-2. Copies of the laboratory analytical reports for all soil samples and associated QA/QC samples are provided in Appendix C. An overview of the constituents detected in soil samples is provided, by constituent group, as follows.

Volatile Organic Compounds

Three VOCs; naphthalene, acetone, and 2-butanone, were detected in 3 of 34 soil samples submitted for VOC analysis. Naphthalene is a constituent that is primarily associated with petroleum products. The two other VOCs, 2-butanone and acetone, were detected in the fire

department training area and are most likely residual concentrations of accelerants used in training scenarios.

Semivolatile Organic Compounds

Several SVOCs were detected in 35 of 73 soil samples submitted for SVOC analysis. The SVOCs detected in soil at the Site are primarily limited to SVOCs that are commonly associated with petroleum, coal, asphalt, and tar products and are also formed during the incomplete combustion of petroleum fuels. The SVOCs most commonly detected in soil at the Site included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, pyrene, phenanthrene, and fluoranthene.

Extractable Total Petroleum Hydrocarbons

The evaluation of the results for ETPH took into consideration the understanding that the analytical method approved by DEEP to quantify ETPH is known to have inherent interferences that may result in the reporting of low concentrations of ETPH that are not considered to be indicative of the actual ETPH concentration in the sample. To account for these interferences, ETPH concentrations less than 80 milligrams per kilogram (mg/kg) in soil samples and 0.2 milligrams per liter (mg/l) in groundwater samples were not considered to be indicative of a release. This approach to assessing ETPH is supported by the observation that low concentrations of ETPH (<80 mg/kg) appear randomly in soil samples collected from areas across the Site, with no consistent pattern typically associated with a release (Table 6-2).

Petroleum hydrocarbons, reported as ETPH, were detected in 63 of 71 soil samples submitted for ETPH analysis. However, only 22 of those samples contained ETPH at concentration indicative of a release. ETPH was found to be the most widespread of the pollutants in soil at the Site and was generally associated with spills of petroleum products.

Evidence of free phase oil was not observed within any soils encountered during the advancement of soil borings during the supplemental SSI.

Pesticides and Polychlorinated Biphenyls

Pesticides were detected primarily in surficial soil samples collected from the area adjacent to the perimeter of the some of the buildings, including the Administration Building, the Boys Wing, the Crouter Building, the Girls wing, the Rainbow House and Rainbow House garage, and the wooden out buildings at the Site as a result of pesticide applications to the ground surface. Pesticides including chlordane, dieldrin, 4,4-Dichlorodiphenyldichloroethylene (4,4-DDE) and 4,4-Dichlorodiphenyltrichloroethane (4,4-DDT) were detected in 16 out of 20 surface soil

samples submitted for pesticide analysis. In fact, samples collected from surface soil sample locations SS-301 and SS-319 contained chlordane at concentrations at or above 30 times the respective Residential Direct Exposure Criteria (RDEC) threshold value for this constituent, causing them to be considered Significant Environmental Hazards. A report notifying the CT DECD of the presence of these significant environmental hazards was made available and sent on October 11, 2013.

In addition, Dichlorodiphenyldichloroethane (4,4-DDD) was detected in a soil boring sample from 4-8 fbg at location SB-306 in the recreational field and may represent residual pesticides resulting from the former agricultural activities or it may have been present in the fill material.

PCBs were not detected in any samples collected during the Phase III SSI.

Metals

One or more metal constituent was detected in each of the 51 soil samples submitted for metals analysis. Although metals were detected in soil samples collected from locations across the Site, the concentrations of individual metals detected in several of the samples are considered to be naturally occurring. A histogram analysis was performed to differentiate naturally occurring concentrations of metals from those potentially associated with releases. The histogram is a graphical plot of concentration ranges that often resemble bell-shaped curves. Concentrations within the standard bell-shaped portion of the curve may be considered to be representative of naturally-occurring conditions. Concentrations outside the naturally occurring range may be indicative of releases. The concentrations of metals detected in soil samples collected from the Site are discussed below by AOC. A total of 41 of the 66 samples were found to contain concentrations of either arsenic, copper or lead above naturally occurring levels.

6.3 Detected Compounds of Concern – By AOC

6.3.1 AOC 1 - Recreation Field

ETPH and SVOC impacts to soil were previously identified within AOC 1 during Phase II testing. ETPH and SVOCs were detected in soil at the location of soil boring SB-008 (0.5-2 fbg) at concentrations above their respective method detection limits. Phase III testing included the advancement of six soil borings, identified as SB-300, SB-301 and SB-302, SB-306, SB-307, and SB-308 to further delineate the identified impacts to soil at AOC 1. Soil samples were collected from each of the Phase III testing locations at depths of 0-2 fbg and 2-4 fbg. Each soil sample was subsequently analyzed for ETPH and SVOCs. One soil sample collected from

within AOC 1 during Phase III sampling, identified as SB-306 (4-8 fbg), was additionally analyzed for pesticides.

ETPH was detected in each of the Phase III soil samples analyzed, but not at concentrations indicative of a release. Two SVOCs, fluoranthene and pyrene, were detected in soil sample SB-302 (2-4') at concentrations of 210 mg/kg and 290 mg/kg, respectively.

One pesticide, 4,4-DDD, was detected in soil sample SB-306 (4-8 fbg) at a concentration of 20 micrograms per kilogram (µg/kg).

6.3.2 AOC 2 - Fire Department Training Area and Area of Fill

VOC and lead impacts were previously identified within AOC 2 during Phase II testing. Acetone was detected in soil at the location of soil boring SB-002 (0-0.5 fbg) at a concentration of 22,000 µg/kg. Lead was detected in soil at the location of soil boring / monitoring well MW-1 (2-4 fbg) at a concentration of 170 mg/kg. Six soil borings were advanced within AOC 2 during Phase III tesing to further delineate the extent of acetone and lead impacts to soil at this AOC.

Three soil borings, SB-329, SB-330 and SB-331, were advanced in the vicinity of SB-002 in order to further delineate the extent of identified acetone impacts to soil at this location. Soil samples were collected from each of the Phase III boring locations at depths of 0-2 fbg and 2-4 fbg. Each soil sample was analyzed for VOCs. The three soil samples collected from within the vicinity of boring SB-002 were additionally analyzed for ETPH due to the nature of the AOC (fire training center), and the potential relationship between acetone and petroleum hydrocarbons.

ETPH was detected in each of the Phase III soil samples collected from soil borings SB-329, SB-330, and SB-331 at concentrations ranging from 25 mg/kg to 190 mg/kg. Supplemental soil sampling will be needed to confirm the release area limits. It is anticipated that such sampling will be performed subsequent to remedial actions at AOC 2.

Naphthalene was detected in one sample, SB-331 (0-2 fbg), at a concentration of 9.9 µg/kg. Acetone was not detected in any of the Phase III soil samples collected and analyzed from within AOC 2.

Three soil borings, SB-326, SB-327 and SB-328, were advanced in the vicinity of soil boring / monitoring well MW-01 to further delineate the extent of identified lead impacts to soil at this location. Soil samples were collected from each of these boring locations at depths of 0-2 fbg and 2-4 fbg and analyzed for metals and SVOCs.

Lead was detected in each of the Phase III soil samples collected from in the vicinity of boring / well MW-01 at concentrations ranging from 8.1 mg/kg to 190 mg/kg. Based on LEA's evaluation of the site-wide data set for lead, naturally occurring background concentrations of lead in soil at the Site are believed to be below 35 mg/kg. In addition to the lead, other metals including barium, cadmium, copper, chromium, mercury, nickel, and zinc were detected in a number of the soil samples collected from within AOC 2 at concentrations believed to be indicative of naturally occurring concentrations.

SVOCs were not detected in any of the Phase III soil samples collected and analyzed from within AOC 2.

6.3.3 AOC 3 - Solid Waste Disposal Area

SVOCs, ETPH, and metals impacts to soil were previously identified within AOC 3 during Phase II testing. SVOCs were detected at the locations of soil borings SB-040, SB-041, and SB-042 (0-0.5' and / or 0-2.5'). Six test pits were excavated within AOC 3 during Phase III testing to further delineate the extent of impacts to soil at this AOC. Soil samples were collected from two of the test pits at depths of 13 fbg. Each soil sample was analyzed for VOCs, SVOCs, PCBs, ETPH, and metals.

SVOCs were detected in each of the two soil samples, Test Pit 1(13 fbg) and Test Pit 2(13 fbg) collected and analyzed from AOC 3.

ETPH was detected in both of the Phase III soil samples collected from Test Pit 1(13 fbg) and Test Pit 2(13 fbg) at concentrations of 82 mg/kg and 410 mg/kg, respectively.

Metals were detected in the test pit samples collected from within AOC 3 at concentrations believed to be indicative of naturally occurring background concentrations.

VOCs and PCBs were not detected in either of the Phase III soil samples collected from within AOC 3.

Based on test pit observations made by LEA's on-site geologist, materials present within the solid waste disposal area, include soil, rocks, concrete, asphalt, plastic sheeting, and wood. Scrap metal was also observed at the surface of the solid waste disposal area.

6.3.4 AOC 4 - Former Oiled Gravel Driveway

SVOC and ETPH impacts were previously identified within AOC 4 during Phase II testing. SVOCs were detected in soil at the location of soil boring SB-015 (0-2 fbg). Phase III sampling

was not performed at AOC 4. However, supplemental soil sampling will be needed to confirm the release area limits, and it is anticipated that such sampling will be performed subsequent to remedial actions at AOC 4.

6.3.5 AOC 5 - Former and Existing Underground Storage Tanks

VOC impacts to soil were identified at AOC 5 during Phase II testing. Acetone was detected in one soil sample, SS-16 (0-0.5 fbg) at a concentration of 22,000 µg/kg. A total of four supplemental Phase III soil borings, identified as SB-319, SB-320, SB-321 and SB-323, were advanced within the areas of former and existing USTs. Shallow refusal was encountered at each of these sampling locations at depths ranging from 6 to 9.5 fbg. Soil samples collected from these soil borings were not laboratory analyzed. However, each sample was field screened for the presence of VOCs, and elevated PID readings were not-detected. Additionally, no obvious visible evidence of petroleum releases were observed at these sampling locations. Phase III soil analytical testing was not performed at AOC 5. However, supplemental soil sampling will be needed to confirm the release area limits, and it is anticipated that such sampling will be performed subsequent to remedial actions at AOC 5.

6.3.6 AOC 6 - Aboveground Storage Tanks

Previously completed Phase II soil sampling at AOC 6 did not identify release areas. As such, Phase III soil sampling was not warranted at AOC 6.

6.3.7 AOC 7 - Perimeter of Existing Buildings

Pesticide and lead impacts were previously identified within AOC 7 during Phase II testing. Twenty surficial soil samples, identified as SS-300 through SS-319, were collected from along the perimeters of the Crouter, Administration, Rainbow House, Rainbow House Garage, and the Wood Shed Buildings in order to further delineate the extent of identified lead and pesticide impacts to soil at these locations. All soil samples were collected from within 2 feet of the perimeter of the buildings at depths of 0 to 0.5 fbg. Each sample was analyzed for metals and pesticides.

Lead was detected above naturally occurring concentrations in 13 of the samples analyzed. Copper was detected in one sample (SS-307) at a concentration of 3,300 mg/kg. Arsenic was detected in one sample (SS-314) at a concentration of 15 mg/kg. Barium, cadmium, chromium, mercury, nickel, and zinc were also detected in a number of the soil samples collected from within AOC 7 at concentrations believed to be indicative of naturally occurring concentrations.

Chlordane was detected in three soil samples (SS-300, SS-301, and SS-319) surrounding the Crouter Building at concentrations above the RDEC (0.49 mg/kg). Concentrations of chlordane were detected in two soil samples (SS-300 and SS-319) which constituted a Significant Environmental Hazard (SEH) as defined in Section 22-6u of the Connecticut General Statutes (CGS). The soil constituting a Significant Environmental Hazard will likely need to be abated through excavation and offsite disposal. The pesticides dieldrin, 4,4-DDT, 4,4-DDD, and 4,4-DDE were also detected in soil samples collected from within AOC 7 at concentrations below their respective RDEC values.

6.3.8 AOC 8 - Transformers

There are four pad-mounted electrical transformers at the Site, and these are located adjacent to the emergency generator, the Girls Wing boiler room, the Durant Building loading dock, and the Pratt Building. ETPH and / or SVOC impacts to soil were previously identified within AOC 8 during Phase II testing. SVOCs were detected in soil at the location of soil borings SS-03 (0-0.5 fbg), SS-07 (0-0.5 fbg), SS-08 (0-0.5 fbg), and SS-09 (0-0.5 fbg). Phase III testing included the advancement of six soil borings, identified as SB-314a, SB-315a, SB-324, SB-325, SB-332, and SB-339 to further delineate the identified impacts to soil at AOC 8. Soil samples were collected from each of the Phase III testing locations at depths ranging from of 0 to 6 fbg. Each soil sample was subsequently analyzed for ETPH, SVOCs, and PCBs.

Three SVOCs, benzo(a)anthracene, benzo(a)pyrene and benzo(b)fluoranthene, were detected in soil samples SB-314a (0-2 fbg) and SB-314a (2-4 fbg). Several other SVOCs were detected in samples collected from within AOC 8.

ETPH was detected in three soil samples at boring locations SB-314a and SB-315a.

PCBs were not detected in any of the Phase III soil samples collected from within AOC 8.

6.3.9 AOC 9 - Crouter Building

Previously completed Phase II soil sampling at AOC 9 did not identify release areas. As such, Phase III soil sampling was not warranted at AOC 9.

6.3.10 AOC 10 - Administration Building and Girls Wing Boiler Rooms

Subsequent to Phase II testing, it was determined that additional supplemental soil data was needed from within AOC 10. As such, three soil borings, SB-351, SB-352, and SB-353 were advanced at this AOC. Soil samples were collected from each soil boring at depths ranging from

0 to 1.5 fbg. The samples were each analyzed for SVOCs and ETPH. One soil sample, SB-351 (0-1.5 fbg) was additionally analyzed for VOCs.

ETPH was detected in two soil samples, SB-353 (0-0.66 fbg) and SB-351 (0.1.5 fbg) at concentration of 450 mg/kg and 15 mg/kg, respectively.

Several SVOCs were also detected in soil sample SB-353 (0-.66 fbg).

6.3.11 AOC 11 - Administration Building Storage Rooms and Photography Lab

Based on Phase II soil testing performed within AOC 11, releases were not identified. As such, Phase III testing was not warranted within AOC 11.

6.3.12 AOC 12 - Hydraulic Elevators

Due to the presence of adjacent building foundations and structural elevator components, LEA was unable to access soil within AOC 12. Although the lack of sampling within this AOC represents a data gap, based on the nature of the AOC, and the apparent depth of underlying bedrock, this data gap would not be expected to significantly affect the overall project findings and / or recommendations for remedial action.

6.3.13 AOC 13 - Emergency Generator

ETPH and SVOC impacts to soil were previously identified at AOC 13 during Phase II testing. Phase III testing included the advancement of five soil borings, identified as SB-312, SB-312a, SB-313, SB-316a, and SB-333 to further delineate the identified impacts to soil at AOC 13. Soil samples were collected from each of the Phase III testing locations at depths of 0-12 fbg. Each soil sample was subsequently analyzed for ETPH, SVOCs, VOCs, metals, and /or PCBs.

ETPH and SVOCs were detected in three soil samples, SB-312a (0-2 fbg), SB-313 (0-2 fbg), and SB-313 (4-6 fbg). Additionally, SVOCs were detected in SB-333 (0-2 fbg), SB-333 (2-4 fbg), and SB-333 (6-8 fbg).

VOCs were detected in one soil sample, SB-313 (0-2 fbg) and SB-313 (2-4 fbg).

Lead was detected in one sample, SB-313 (2-4 fbg) at a concentration of 110 mg/kg. A number of other metals were also detected soil samples collected from within AOC 13 at concentrations believed to be indicative of naturally occurring concentrations.

PCBs were not detected in the Phase III soil samples collected from within AOC 13.

6.3.14 AOC 14 - Maintenance Garage / Storage Areas

ETPH, SVOC, and lead impacts to soil were previously identified at AOC 14 during Phase II testing. Phase III testing included the advancement of one soil boring, identified as SB-322, to further delineate the identified impacts to soil at AOC 14. Soil samples were collected from the Phase III testing location at depths of 0-4 fbg. Each soil sample was subsequently analyzed for ETPH and / or metals.

ETPH was detected in each of the Phase III soil samples analyzed at concentrations ranging from 14 mg/kg to 22 mg/kg. Due to the inherent interferences associated with the DEEP approved ETPH analytical method, the reported ETPH concentrations of less than 80 mg/kg are not believed to be indicative of a release.

Phase III soil samples collected from within AOC 14 were not analyzed for SVOCs. However, supplemental soil sampling will be needed to confirm the release area limits, and it is anticipated that SVOC sampling will included subsequent to remedial actions at AOC 14.

6.3.15 AOC 15 - Pratt Building Mechanical Rooms

Results from samples collected at AOC 15 during Phase II testing indicated that further investigation was not required in this area. As such, Phase III soil samples were not collected from within AOC 15.

6.3.16 AOC 16 - Former Site Features

Former site features include a former rubbish burner, a former garage, and a former shop. ETPH and SVOC impacts to soil were previously identified at AOC 16 during Phase II testing. Phase III testing included the advancement of six soil borings, identified as SB-303 through SB-305, and SB-309 through SB-311 to further delineate the identified impacts to soil at AOC 16. Soil samples were collected from the Phase III testing locations at depths of 0-6 fbg. Each soil sample was subsequently analyzed for ETPH, SVOC, VOCs, and /or metals.

ETPH was detected in each Phase III soil sample collected from within AOC 16. ETPH was detected in two soil samples, SB-309 (0-2 fbg) and SB-309 (2-4 fbg).

Arsenic was detected in one Phase III soil sample, SB-303 (0-4 fbg), at a concentration of 11 mg/kg. A number of other metals were also detected soil samples collected from within AOC 16 at concentrations believed to be indicative of naturally occurring concentrations.

SVOCs were detected in three Phase III soil samples, SB-309 (0-2 fbg), SB-309 (2-4 fbg), and SB-310 (2-4 fbg).

VOCs were not detected in any of the Phase III soil samples collected from within AOC 16.

6.3.17 AOC 17 - Loading Docks

ETPH and SVOC impacts to soil were identified within AOC 17 during Phase II testing. Phase III testing included the advancement of five soil borings, identified as SB-317, SB-318, SB-324, SB-325, and SB-339 to further delineate the identified impacts to soil at AOC 17. Soil samples were collected from the Phase III testing locations at depths of 0-8 fbg. Each soil sample was subsequently analyzed for ETPH, SVOC, VOCs, and / or metals and PCBs.

There are two separate loading dock areas at the site, including the Durant Building Loading Dock, and the Administration Building Loading Dock.

Soil boring locations SB-317 and SB-318 were advanced in the vicinity of the Administration Building Loading Dock. ETPH and SVOCs were detected in two soil samples, SB-317 (0-2 fbg) and SB-317 (2-4 fbg).

Soil boring locations SB-324, SB-325, and SB-339 were advanced in the vicinity of the Durant Building Loading Dock. One SVOC, pyrene, was detected in one soil sample, SB-339 (0-2 fbg), at a concentration of 200 µg/kg. ETPH was detected in each of these samples at concentrations less than 80 mg/kg. Due to the inherent interferences associated with the DEEP approved ETPH analytical method, the reported ETPH concentrations of less than 80 mg/kg are not believed to be indicative of a release.

A number metals were detected soil samples collected from within AOC 17 at concentrations believed to be indicative of naturally occurring concentrations.

PCBs were not detected in any of the Phase III soil samples collected from within AOC 17.

6.4 **Quality Assurance/Quality Control Evaluation**

6.4.1 Overview

The QA/QC samples that were analyzed as part of the QA/QC measures implemented during the investigation activities included trip blank samples, equipment rinsate blank samples, and field duplicate samples. Five trip blank samples were analyzed as part of the QA/QC measures implemented during soil sampling activities. Trip blank samples were submitted along with corresponding soil samples for the analysis for VOCs.

Two equipment rinsate blank samples were collected during soil sampling activities. Equipment rinsate blank samples were collected on August 30, 2012. The equipment rinsate blank samples were analyzed for the same parameters as the corresponding field samples.

One pair of field duplicate soil samples was obtained from each of soil borings SB-339, SB-314A, and SB-313. In addition, one duplicate surface soil sample was obtained from SS-318.

A summary of QA/QC sampling and analytical information is provided in Table 6-3. A summary of analytical data for the QA/QC blank samples is provided as Table 6-4. A summary of the analytical data for the field duplicate samples for soil is provided as Table 6-5.

6.4.2 Trip Blank Samples

No VOCs were detected in any of the trip blank samples submitted for analyses as part of the field investigation activities. Therefore, the transfer of VOCs through sample container septa during sample storage and shipping is not believed to have occurred.

6.4.3 Equipment Rinsate Blank Samples

Two equipment rinsate blank samples were submitted to Contest Laboratory and analyzed for SVOCs, PCBs and ETPH. Constituents were not detected in either sample submitted for analysis.

6.4.4 Field Duplicate Samples

Field duplicate samples are collected to assess the precision associated with the entire sample collection and measurement process. Consistency between analytical results for field duplicate samples indicates consistent field sampling, sample handling, and laboratory analytical procedures. The consistency between field duplicate pairs is measured by calculating the relative percent difference (RPD) for detected constituents in a field duplicate pair of samples when a parameter was reported at concentrations greater than two times the analytical reporting limit in both samples.

The RPD values calculated for constituents reported in soil at concentrations greater than two times the analytical reporting limit for duplicate soil samples collected from soil borings LEA-SB-313 and LEA-SB-314A ranged between 10 percent (%) and 130%. The RPD calculated for a number of constituents detected in the duplicate soil samples collected from both soil borings were outside the acceptable range of less than 50 percent (%) variability for soil samples. The compounds that were detected with RPD values outside the acceptable range included ETPH (130% at SB-313/0-2 fbg), ETPH (127% at SB-314A/0-2 fbg),

benzo(a)anthracene (60% at SB-314A/0-2 fbg), and benzo(k)fluoranthene (60% at SB-314A/0-2 fbg). Usability of estimated data was addressed by using the higher of the two estimated concentrations in each duplicate pair for decision-making purposes.

For sample SB-314A/0-2 fbg, the higher of the two reported concentrations of ETPH and benzo(k)fluoranthene were found to be well below applicable RDEC numerical threshold values for these compounds. Therefore, the ETPH and benzo(k)fluoranthene data was able to be used to confirm that concentrations of these compounds did not exceed applicable RDEC criteria at the location of sample SB-314/0-2 fbg.

For sample SB-314A/0-2 fbg, the higher of the two reported concentrations of benzo(a)anthracene, was found to be well above the RDEC for this compound. Therefore, the resulting data was able to be used to confirm that benzo(a)anthracene concentrations at this location exceed the RDEC for this compound.

For sample SB-313/0-2 fbg, the higher of the two reported concentrations of ETPH was found to be well above applicable RDEC numerical threshold value for ETPH. Therefore, the resulting data was able to be used to confirm that ETPH concentrations at this location exceed applicable RDEC for ETPH.

6.4.5 Data Quality Assessment and Data Usability Evaluation

The Reasonable Confidence Protocol (RCP) methods provide specific QA/QC requirements that the laboratory must follow during analysis of environmental samples and require the laboratory to report the QA/QC analytical data associated with the analysis of each sample in the laboratory report. The RCPs further require that the laboratory provide a narrative of any non-conformances for QA/QC data that were outside the acceptable limits for such data, as described in the specific RCP method.

The QA/QC analytical information and the QA/QC narrative provided by Contest in each laboratory analytical report package were assessed and evaluated by LEA in accordance with the methodology for performing Data Quality Assessments (DQAs) and Data Usability Evaluations (DUEs) described in the *Laboratory Quality Assurance Quality Control, Data Quality Assessment, Data Usability Evaluation Guidance Document* (DEEP, 2009, revised 2010). Worksheets summarizing the results of the DQA are included as Appendix D.

The DQA resulted in identifying several QA/QC deficiencies in the soil data, including potential high biases for several VOCs, SVOCs, and PCBs resulting from high percent recoveries in associated laboratory control and matrix spike samples. Additional issues that were identified

during the DQA included those that resulted in elevated reporting limits as a result of dilution for several soil samples analyzed for SVOCs and ETPH due matrix interference and/or reported concentrations, which exceeded the calibration range. In addition, ETPH and a number of specific VOCs and SVOCs may have been reported with low biases as a result of low percent recoveries in laboratory control and matrix spike samples. Acetone, ETPH and naphthalene were reported with low recoveries in the laboratory control sample and matrix spike / matrix spike duplicate samples in several samples collected from soil boring locations. In general, the compounds that were affected by the potential low biases were associated with quality control recoveries that were only slightly below the acceptance criteria and the reported results were not detected above the laboratory reporting limits in the affected soil samples. The reporting limits are specified in the laboratory analytical reports provided in Appendix C.

Once the DQA of the laboratory analytical data was performed, and the quality of the analytical data was known, a DUE was performed to assess whether the quality of the data would affect its usability for the intended purpose of evaluating whether a release(s) of petroleum products or hazardous substances occurred at the Site, and for the purpose of assessing the nature and three-dimensional extent of contamination identified at the Site. It appears that the potential low reporting biases for several constituents could have resulted in either those constituents being reported as "not detected" even though the constituents may have been present in the samples, or those constituents being reported at a lower concentration than what may have been present in the samples.

With respect to the overall data set, however, the issues identified during the DQA did not affect the usability of the data generated during the SSI. Based on the DUE, the data were deemed to be usable for the intended purpose of evaluating whether a release(s) of petroleum products or hazardous substances occurred at the Site and for the intended purpose of assessing the nature and three-dimensional extent of contamination identified at the Site.

7. COMPARISON OF RESULTS TO REGULATORY CRITERIA

7.1 Evaluation of Soil Results

The laboratory analytical results for soil were compared to the default, numeric criteria identified in the RSRs to provide a preliminary understanding of the potential significance of the results. A complete evaluation of the laboratory analytical results relative to the RSR criteria was completed and is appropriate following a Phase III. The specific RSR criteria to which soil results were compared include the default, numeric RDEC and the PMC applicable to areas with a groundwater classification of GAA (GA PMC). Comparing the soil results to the GA PMC is appropriate because the Site is located in an aquifer protection area, even though the Site is situated in an area classified as GB for groundwater quality (DEEP, 1996; DEEP, 2012).

The constituents detected in soil that were reported at concentrations that are above the default, numeric RDEC are presented in Table 7-1; constituents detected in soil that were reported at concentrations above the default numeric GA PMC criteria are presented in Table 7-2. These constituents are summarized below by constituent group.

Volatile Organic Compounds

No VOCs were reported to be present in soil samples at concentrations above the default, numeric RDEC. Two samples, contained concentrations of acetone which exceed the default GA PMC criteria. Soil sample SS-16 (0-0.5 fbg), contained acetone at a concentration of 22,000 µg/kg. Similarly, soil sample SB-002 (0-0.5 fbg) contained acetone at a concentration of 22,000 µg/kg.

Semivolatile Organic Compounds

A number of SVOCs were reported to be present in soil at concentrations above the default, numeric RDEC and GA PMC. The SVOCs that were reported at concentrations above the default, numeric RDEC were benzo[a]anthracene; benzo(b)fluoranthene and benzo(a)pyrene. In addition, these and a number of other SVOCs were reported at concentrations above the default, numeric GA PMC.

The AOCs and sample locations where SVOCs were reported at concentrations above the default, numeric RDEC and/or GA PMC in soil samples summarized as follows:

Area of Concern	RDEC	GA PMC
AOC 1 - Recreation Field	SB-008 (0-2 fbg)	SB-008 (0.5-2 fbg)
AOC 3 - Solid Waste Disposal Area	SB-040 (0-0.5; 0.5-2 fbg)	SB-040 (0-0.5; 0.5-2 fbg)
	SB-041 (0-0.5 fbg)	SB-041 (0-0.5 fbg)
	SB-042 (0-2.5 fbg)	SB-042 (0-2.5 fbg)
	Test Pit 2 (13 fbg)	Test Pit 2 (13 fbg)
AOC 4 - Former Oiled Gravel Driveway	SB-015 (0-2 fbg)	SB-015 (0-2 fbg)
AOC 8 - Transformers	SB-314A (0-2; 2-4 fbg)	SB-314A (0-2; 2-4 fbg)
	SS-03; SS-07; SS-08; SS-09 (all 0-0.5 fbg)	SS-03; SS-07; SS-08; SS-09 (all 0-0.5 fbg)
AOC 13 - Emergency Diesel Generator	SB-312a (0-2 fbg)	SB-312A (0-2 fbg)
	SB-313 (0-2; 4-6 fbg)	SB-313 (0-2; 4-6 fbg)
	SB-316a (0-2 fbg)	SB-316A (0-2 fbg)
	SB-333 (0-2; 2-4; 6-8 fbg)	SB-333 (0-2; 2-4; 6-8 fbg)
AOC 14 - Maintenance / Storage Areas	SB-023 (0-0.5 fbg)	SB-023 (0-0.5 fbg)
AOC 16 - Former Site Features	SB-309 (0-2; 2-4 fbg)	SB-309 (0-2; 2-4 fbg)
	SB-310 (2-4 fbg)	SB-310 (2-4 fbg)

Extractable Total Petroleum Hydrocarbons

A number of soil samples were reported to contain concentrations of ETPH above the 80 mg/kg threshold that were considered to be indicative of a release. Moreover, some of these samples were reported to contain concentrations of ETPH above the RDEC for ETPH (500 mg/kg) and/or GA PMC (500 mg/kg). These samples were obtained from soil borings advanced within AOC 1 - *Recreation Field*; AOC 13 - *Emergency Diesel Generator*; AOC 14 - *Maintenance / Storage Areas;* and AOC 16 - *Former Site Features.* A summary of the locations containing petroleum hydrocarbons at concentrations above the RDEC and/or GAPMC is provided as follows:

Area of Concern	RDEC	GA PMC
AOC 1 - Recreation Field	SB-008 (0.5-2 fbg)	SB-008 (0.5-2 fbg)
AOC 13 - Emergency Diesel Generator	SB-312a (0-2 fbg)	SB-312A (0-2 fbg)
	SB-313 (0-2; 4-6 fbg)	SB-313 (0-2; 4-6 fbg)
AOC 14 - Maintenance /	SB-038 (0-2 fbg)	SB-038 (0-2 fbg)
AOC 16 - Former Site Features	SB-309 (0-2; 2-4 fbg)	SB-309 (0-2; 2-4 fbg)

Metals

A number of soil samples were reported to contain concentrations of lead, arsenic, and / or copper at concentrations above their respective RDEC and/or GA PMC values. These samples were obtained from soil borings advanced within AOC 7 – *Perimeter of Existing Buildings*; AOC 14 - *Maintenance / Storage Areas;* and AOC 16 - *Former Site Features*. A summary of the locations containing metals at concentrations above the RDEC and/or GA PMC is provided as follows:

Area of Concern	RDEC
AOC 7 Perimeter of Existing Buildings	SS-14 (0-0.5 fbg)
	SS-18 (0-0.5 fbg)
	SS-19 (0-0.5 fbg)
	SS-306 (0-0.5 fbg)
	SS-309 (0-0.5 fbg)
	SS-310 (0-0.5 fbg)
	SS-311 (0-0.5 fbg)
	SS-312 (0-0.5 fbg)
	SS-313 (0-0.5 fbg)
	SS-314 (0-0.5 fbg)
	SS-315 (0-0.5 fbg)
	SS-316 (0-0.5 fbg)
	SS-317 (0-0.5 fbg)
	SS-318 (0-0.5 fbg)

AOC 14 Maintenance / Storage Areas	SB-023
AOC-16 Former Site Features	SB-303

Pesticides

A number of soil samples were reported to contain concentrations of pesticides at concentrations above their respective RDEC and / or GA PMC values. These samples were obtained from soil borings advanced within AOC 7 – *Perimeter of Existing Buildings*. A summary of the locations containing pesticides at concentrations above the RDEC and/or GA PMC is provided as follows:

Area of Concern	RDEC
AOC 7 Perimeter of Existing Buildings	SS-300 (0-0.5 fbg)
	SS-301 (0-0.5 fbg)
	SS-319 (0-0.5 fbg)
	SS-21 (0-0.5 fbg)
	SS-302 (0-0.5 fbg)
	SS-305 (0-0.5 fbg)

8. PHASE III CONCLUSIONS AND UPDATED CONCEPTUAL SITE MODEL

LEA has performed a Phase III SSI of the property identified as the former Mystic Oral School for the Deaf located in Groton, Connecticut. The Phase III SSI activities were conducted to further delineate identified impacts to soil beneath the Site, and to evaluate the concentrations of constituents in soil relative to applicable standards and criteria provided in the RSRs. The suspected release mechanisms, contaminant migration pathways, potentially affected environmental media, and constituents of concern for each AOC at the Site were re-evaluated based on the results of the Phase II SSI conducted in June 2013, and are summarized as an updated CSM provided in Table 8-1. Based on the results and this re-evaluation, the Site has been adequately characterized with regard to the nature and extent of releases associated with each AOC to allow for an evaluation of possible remedial alternatives. Additional soil sampling will be necessary to confirm the limits of soil contamination and to assess groundwater quality at the Site. Additional required sampling will most likely be performed in conjunction with future remediation activities. A summary of the updated CSM is provided as follows:

8.1 AOC 1 – Recreation Field

ETPH and SVOC impacts to soil were identified within AOC 1 at the location of soil boring SB-008 at concentrations above their respective RDEC values during Phase II testing. Phase III sampling results confirmed that the identified impacts to soil at AOC 1 are associated with a limited and discrete release area at the location of soil boring SB-008, rather than widespread impacted fill material. Identified releases at AOC 1 have been delineated, and the approximate limits of impacts to soil that will likely require remediation are shown on Drawing 8-1.

8.2 AOC 2 – Fire Training Area

Acetone was detected in soil at the location of soil boring SB-002 at concentrations above the RDEC for acetone during Phase II testing. Phase III sampling results confirmed that the identified impacts to soil at AOC 2 are associated with a limited and discrete release area at the location of soil boring SB-002. The identified acetone impacts to soil at AOC 2 are believed to possibly be associated with historical use of accelerants at the Fire Training Area.

Lead impacts to soil were identified within AOC 2 at the location of soil boring MW-01 during Phase II testing at concentrations below the RDEC for lead. Phase III sampling results confirmed that the identified lead impacts to soil at AOC 2 are below the RDEC value for lead of 400 mg/kg. Additional investigation of lead impacts to soil at AOC does not appear to be warranted.

Identified releases at AOC 2 have been delineated, and the approximate limits of impacts to soil that will likely require remediation are shown on Drawing 8-1.

8.3 AOC 3 – Solid Waste Disposal Area

SVOC impacts to soil were identified within AOC 3 at multiple sampling locations at concentrations above their respective RDEC values during Phase II testing. Phase III sampling results confirmed that the identified impacts to soil at AOC 3 are associated with impacted fill material that was deposited at this AOC. Identified releases at AOC 3 have been delineated, and the approximate limits of impacts to soil that will likely require remediation are shown on Drawing 8-1.

8.4 AOC 4 – Former Oiled Gravel Driveway

SVOC impacts to soil were identified within AOC 4 at the location of soil boring SB-015 at concentrations above their respective RDEC values during Phase II testing. The identified impact is believed to be associated with the asphalt driveway. Identified releases at AOC 4 have been substantially delineated. As such, Phase III sampling was not performed at AOC 4. Confirmatory sampling will be needed subsequent to remedial actions at AOC 4. The approximate limits of impacts to soil that will likely require remediation are shown on Drawing 8-1.

8.5 AOC 5 – Former and Existing USTs

Due to the presence of shallow bedrock at various locations throughout the Site, Phase II and Phase III testing performed in the vicinity of the existing USTs was not sufficient to confirm whether the presence of the existing USTs have resulted in releases at the Site. In order to provide ultimate assurance that those potential impacts to soil at concentrations exceeding RDEC numerical threshold values have been identified and remediated, removal of existing UST systems will likely be needed. Acetone impacts were detected at the location of a former gasoline UST at concentrations above the RDEC for acetone. Due to access limitations, Phase III sampling at AOC 5 was limited. However, identified releases at AOC 5 will be fully delineated subsequent to remedial actions at the Site.

8.6 AOC 6 – Existing Heating Oil Aboveground Storage Tanks

Impacts to soil were not identified in the vicinity of the aboveground storage tanks at the Rainbow House and the Maintenance garage during Phase II testing. As such, Phase III investigation was not warranted at AOC 6.

8.7 AOC 7 – Perimeter of Existing Buildings

Lead and pesticide impacts to soil were identified within AOC 7 at the locations of numerous soil borings surrounding the Administration, Girls wing, Boys wing, Rainbow House garage and Woodshed buildings at concentrations above RDEC numerical threshold values for these substances. The identified lead and pesticide impacts are likely associated with historical chipping of lead based paint on window frames, and historical application of pesticides surrounding the building foundations. Identified releases at AOC 7 have been delineated, and the approximate limits of impacts to soil that will likely require some form of remediation are shown on Drawing 8-1.

8.8 AOC 8 – Electrical Transformers

Subsequent to Phase II testing, it was determined that supplemental soil sampling was needed at the locations of an exterior pad-mounted electrical transformers located adjacent to the southeast side of the Pratt Building. Based on Phase III soil testing, releases were not identified at the location of this transformer.

ETPH and SVOC impacts to soil were identified in the vicinity of the Emergency Generator. Based on the results of Phase III sampling, SVOCs are present in soil in the vicinity of the generator at concentrations above their respective RDEC values. Identified releases at AOC 8 have been delineated, and the approximate limits of impacts to soil that will likely require some form of remediation are shown on Drawing 8-1. For planning purposes, releases at AOC 8 have been included in recommended remedial actions at AOC 13.

8.9 AOC 9 – Crouter Building

Impacts to soil were not identified in the vicinity of the Crouter Building during Phase II testing. As such, Phase III investigation was not warranted at AOC 9.

8.10 AOC 10 – Administration Building and Girls Wing Boiler Room

Subsequent to Phase II testing, it was determined that supplemental soil investigation was needed to evaluate whether releases have occurred at the location of the boiler room of the Administration building. Phase III testing conducted at AOC 10 identified ETPH and SVOC impacts to soil at concentrations below RDEC criteria. However, supplemental soil sampling will be needed to confirm the release area limits, and it is anticipated that such sampling will be performed concurrent with remedial actions at the Site.

8.11 AOC 11 – Administration Building Storage Rooms and Photography Lab

Impacts to soil were not identified in the vicinity of the Administration Building Storage Rooms and Photography Lab during Phase II testing. As such, Phase III investigation was not warranted at AOC 11.

8.12 AOC 12 – Hydraulic Elevators

Due to the presence of adjacent building foundations and structural elevator components, LEA was unable to access soil within AOC 12. Although the lack of sampling within this AOC represents a data gap, based on the nature of the AOC, and the apparent depth of underlying bedrock, this data gap would not be expected to significantly affect the overall project findings and / or recommendations for remedial action.

8.13 AOC 13 – Emergency Diesel Generator

ETPH and SVOC impacts to soil were identified within AOC 13 at various locations during Phase II testing. Phase III sampling results confirmed that identified impacts to soil at AOC 13 are likely associated with 1) surficial releases of diesel fuel at the generator location; and 2) the presence of impacted fill material. Identified releases at AOC 13 release have been delineated, and the approximate limits of impacts to soil that will likely require some form of remediation are shown on Drawing 8-1.

8.14 AOC 14 – Maintenance / Storage Areas

ETPH impacts to soil were identified within AOC 14 at concentrations exceeding the RDEC value for ETPH during Phase II testing. Phase III sampling results confirmed that identified impacts to soil at AOC 14 are likely associated with historical uses of these areas for petroleum storage. Identified releases at AOC 14 release have been delineated, and the approximate limits of impacts to soil that will likely require some form of remediation are shown on Drawing 8-1.

8.15 AOC 15 – Pratt Building Mechanical Rooms

Impacts to soil were not identified in the vicinity of the Pratt Building Mechanical Rooms during Phase II testing. As such, Phase III SSI was not warranted at AOC 15.

8.16 AOC 16 – Former Site Features

ETPH and SVOC impacts to soil were identified within AOC 16 (vicinity of emergency generator and former garage) during Phase II testing. Based on Phase III sampling results, identified impacts to soil at AOC 16 are likely associated with either 1) surficial releases of

diesel fuel at the emergency generator location; 2) the presence of impacted fill materials; or 3) the historical use and storage of petroleum products at the former garage structure.

Arsenic impacts to soil were identified within AOC 16 (vicinity of the former rubbish burner) during Phase III testing locations. Supplemental soil sampling will be needed to confirm the release area limits at AOC 16, and it is anticipated that such sampling will be performed concurrent with remedial actions at the Site. Identified releases at AOC 16 release have been delineated, and the approximate limits of impacts to soil that will likely require some form of remediation are shown on Drawing 8-1.

8.17 AOC 17 – Loading Docks

ETPH and SVOC impacts to soil were identified within AOC 17 (vicinity of the Durant Building) during Phase II and Phase III testing. Based on Phase III sampling results, identified impacts to soil at AOC 17 were found to be below RDEC values for detected compounds of concern.

9. RECOMMENDATIONS

In preparing these recommendations, LEA understands that the site investigation and remediation activities are needed to facilitate a future Site ownership transfer (sale) as a "cleaned" Site, pursuant to Connecticut Public Act 11-1, Section 24(c). Although the term "cleaned Site" is not defined in Public Act 11-1, Section 24(c), based on LEA's recent communications with DECD, we understand that the term "cleaned Site", for this project, means that "*remaining concentrations of contaminants of concern in soil shall be within established Residential Direct Exposure Criteria (RDEC) and GA Pollutant Mobility Criteria (GA PMC) contained within the DEEP's Remediation Standard Regulations (RSRs).*" Therefore, based on the Phase III soil data collected at the Site, soil remediation will be needed within a number of the identified AOCs (further discussed below). Given the limited and discrete nature of the identified release areas, LEA recommends excavation and off-site disposal as the preferred remedial approach for addressing impacted soil at the Site. Remediation cost estimates have been provided under separate cover, and are generally based on unit costs associated with excavation, transportation, and off-site disposal of impacted soil at approved disposal facilities.

9.1 AOC 1 – Recreation Field

Soil remediation is recommended at AOC 1 to address ETPH and SVOC impacts to soil within an approximate 400 square foot area at depths of 0 to 2 fbg.

9.2 AOC 2 – Fire Training Area

Soil remediation is recommended at AOC 2 to address VOC impacts to soil within an approximate 400 square foot area at depths of 0 to 2 fbg.

9.3 AOC 3 – Solid Waste Disposal Area

Soil remediation is recommended at AOC 3 to address ETPH and SVOC impacts to soil within an approximate 21,000 square foot area at depths of up to 16 fbg.

9.4 AOC 4 – Former Oiled Gravel Driveway

Soil remediation is recommended at AOC 4 to address SVOC impacts to soil within an approximate 400 square foot area at depths of 0 to 2 fbg.

9.5 AOC 5 – Former and Existing USTs

Based on recent communications with DECD, LEA understands that removal of existing USTs will be needed to satisfy the overall remediation needs at the Site, ensuring the transfer of a "cleaned" Site. As such LEA recommends removal of the three existing 10,000-gallon heating oil USTs.

9.6 AOC 7 – Perimeter of Existing Buildings

Soil remediation is recommended at AOC 7 to address metals and pesticide impacts to soil within an approximate 6,000 square foot area at depths of up to 3 fbg.

9.7 AOC 10 – Administration Building and Girls Wing Boiler Room

Soil remediation is recommended at AOC 10 to address ETPH and SVOC impacts to soil within an approximate 300 square foot area at depths of 0 to 2 fbg.

9.8 AOC 13 – Emergency Diesel Generator

Soil remediation is recommended at AOC 13 to address ETPH and SVOC impacts to soil within an approximate 12,000 square foot area at depths of 0 to 12 fbg.

9.9 AOC 14 – Maintenance / Storage Areas

Soil remediation is recommended at AOC 14 to address ETPH impacts to soil within an approximate 300 square foot area at depths of 0 to 2 fbg.

9.10 AOC 16 – Former Site Features

Soil remediation is recommended at AOC 16 to address arsenic impacts to soil within an approximate 400 square foot area at depths of 0 to 2 fbg.

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TABLES

FIGURES

DRAWINGS

APPENDIX A

Standard Operating Procedures

APPENDIX B

Geologic Boring Logs

APPENDIX C

Laboratory Analytical Reports

APPENDIX D

Data Quality Assessment Worksheets

Table 2-1
SUMMARY OF BUILDING INFORMATION
240 Oral School Road, Mystic Connecticut

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Building Name	Construction Material	Year Constructed	Number of Floors	Building Footprint (square feet)
Administration Building / Boys Wing	Masonry	1938	4	69,658
Girls Wing	Masonry	1938	4	28,711
Whipple Building	Masonry	1968	2	24,458
Crouter Building	Masonry	1958	1	7,588
Rainbow House	Wood	1928	2 (w/ attic and basement)	2,480
Rainbow House Garage	Wood	1928	1	Not Available
Durant Building	Masonry	1973	3	58,233
Maintenance Building	Masonry Brick	1969	1	1,276
Wood Shed	Wood	1930	1	720
Pratt Building	Masonry	1975	2	40,000

Table 4-1
PRELIMINARY CONCEPTUAL SITE MODEL / PHASE II/III SUBSURFACE INVESTIGATION ACTIVITIES
Former Mystic Oral School for the Deaf, Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern	Summary of Investigation	Summary of Initial Phase II Investigation Activities	Conclusions of Initial PhaseII Investigation Activity Results, Preliminary Comparison to RSR Criteria, Recommended Scope of Work
AOC 1 Recreation Field	This area of the Site was used historically to grow crops. Several small buildings associated with farming activities were formerly located within this AOC. This area of the Site has also been used as a baseball diamond and a football field. Fill material has reportedly been placed in the area of this field to maintain its playing condition.	Pesticides and herbicides may have been historically applied to the ground in this area of the Site. Constituents that comprise the pesticides and herbicides may have resulted in contamination of surface soils and may have migrated to the deeper soils and groundwater. In addition, any constituents that may have been present in contaminated fill placed in this area of the Site may have leached from the fill due to infiltrating precipitation and may have migrated to deeper soils and possibly groundwater.	VOCs, PAHs, ETPH, Metals, Pesticides, Herbicides,	Soil Borings SB-004, SB-005, SB-008	A sample collected from 0.5-2.0 fbg at SB-008 contained ETPH at a concentration of 1000 mg/kg and multiple PAHs at concentrations exceeding RSR criteria. ETPH was also detected in SB-004 at a concentration of 290 mg/kg. The presence of ETPH and PAHs can be likely attributed to one of two reasons. The first possibility is the result of a localized spill, such as gasoline or oil being spilled while re-filling a gas-powered lawn mower or tractor. The second possibility is that contaminated fill was spread throughout the area to create a level recreation field.	Additional samples are required in this AOC to determine if the constituents detected are a result of an isolated spill or the placement of contaminated fill throughout the field.
AOC 2 Fire Department Training Area and Area of Fill	The 0 Oral School Road parcel located on the western portion of the Site is the former location of the Cook's House. This parcel is currently used as a fire fighting training center. The former Cook's House was destroyed in a fire during fire fighting training exercises. Fill material has been placed within this AOC, generally in the vicinity of the paved parking lot.	Hazardous substances and/or petroleum products may have been released to the ground as a result of fire fighting training exercises. Constituents could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. The constituents could possibly migrate to the underlying soil and groundwater. In addition, any constituents that may have been present in contaminated fill placed in this area of the Site may have leached from the fill due to infiltrating precipitation or water generated during fire fighting exercises, and may have migrated to deeper soils and possibly groundwater.	VOCs, PAHs, ETPH, PCBs, Metals	Soil Borings SB-001, SB-002, SB-003, MW-01 Monitoring Well MW-01	Lead was detected in a soil sample taken at MW-01, 2-4 fbg at concentration of 170 mg/kg. Acetone, an accelerant that may have been used in fire training exercises, was detected in SB-002 0-0.5 fbg at a concentration of 22,000 ug/kg. Mutliple PAHs, known byproducts of combustion, were detected at concentrations ranging from 200 - 900 ug/kg in a soil sample taken from SB-003 0.5-2 fbg.	To determine the extent of elevated lead as well as elevated acetone levels in this area, additional sampling is required.
AOC 3 Solid Waste Disposal Area	The area located north of the entrance to the Pratt Building has been used as a disposal area for scrap metal, wood, asphalt, bricks, and other solid waste.	The bulky waste does not pose a direct risk to human health, however constituents of concern could leach from the waste materials and could infiltrate soil and possibly migrate to groundwater.	VOCs, PAHs, ETPH, PCBs, Metals, Pesticides	Soil Borings SB-040, SB-041, SB-042, SB-043	Benzo(a)anthracene, benzo(b)fluoranthene and benzo(a)pyrene were detected at concentrations exceeding RSR criteria from soil samples taken in the top 2 fbg at locations SB-040, SB-041 and SB-042.	The make-up and physical extent of this area are not known for certain. In order to help us better understand this AOC, additional sampling and test pit excavation is required.
AOC 4 Former Oiled Gravel Driveway	This driveway located north of the Girls Wing was formerly identified as an "Existing Oiled Gravel Driveway." Used oil would have been applied to the gravel driveway to control dust.	Constituents within used oil applied to the driveway could have penetrated the surrounding and underlying soil and possibly migrated to deeper soils and groundwater.	PAHs, ETPH, PCBs, Metals	Soil Borings SB-014, SB-015, SB-016	ETPH along with several PAHs were detected at elevated levels in the soil sample collected from SB-015. ETPH was detected at levels below 80 mg/kg in samples collected from SB-014 and SB-016 and only one PAH (phenanthrene) was detected in both these samples.	The high levels of ETPH and PAHs in the sample collected form SB-015 are not concerning, and are most likely an artifact of the
AOC 5 Former and Existing Underground Storage Tanks	A number of USTs have been used at the Site to store heating oil. One heating oil UST has been abandoned-in place and four other heating oil USTs have been removed from the Site. In addition, one UST formerly used to store gasoline was removed from the Site. A diesel fuel UST associated with the Emergency Generator was also removed from the Site. Existing heating oil USTs at the Site include three 10,000-gallon USTs. Releases of petroleum hydrocarbons associated with USTs at the Site have previously been reported. While the laboratory analytical data for samples collected following response actions taken to address these releases indicate that the impacts have been cleaned-up, there may have been other UST releases that have not been addressed.	Constituents in heating oil have spilled to the ground surface during filling operations. Releases could result from overfilling, and/or leaks in the tanks and appurtenant piping. Substances that may have been released at the ground surface could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. Constituents could then migrate to the underlying soil and possibly to groundwater. Substances that may have been released below the ground surface could migrate through the soil and could potentially impact groundwater.	VOCs, PAHs, ETPH	Soil Borings SB-022, SB-032, SB-033, SB-044, SB-063	Although samples were collected from borings surrounding these USTs, soil borings were stopped short of their target depth due to refusal.	Additional soil borings needed around the UST locations. Samples will be collected for analysis starting 10 fbg. If a spill occurred, the soil below the USTs will most likely be affected. 10 fbg is a conservative estimate of the depth to the bottom of a UST at the Site, and therefore is the depth at which we will begin to collect samples.
AOC 6 Aboveground Storage Tanks	There are two existing 275-gallon heating oil ASTs maintained at the Site. One AST is located in the basement of the Rainbow House, and the other is located in the Maintenance Garage. The concrete floors beneath each tank were observed to be stained with oil.	Releases of petroleum products may have occurred during transfer and storage. Releases during filling could result from overflows at the exterior fill ports and tank vents. Releases during storage could result from leaks in the tanks and appurtenant piping. Releases of petroleum products within the buildings could have resulted in substances penetrating the concrete slab, and/or migrating through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs, PAHs, ETPH	Soil Borings SB-039, SB-054	Constituents of concern were not detected in either of the samples collected in this AOC. The absence of constituents in these samples indicates that a release has not impacted the soil in this AOC.	Further investigation in this area is not warranted.
AOC 7 Perimeter of Existing Buildings	Given the age of the Site buildings and apparent extended use of pesticides and herbicides to control pests and weeds, the possibility of contamination in the shallow soils exists as a result of the application of these substances. Pesticides and herbicides would have typically been applied to the ground surface along the perimeter of buildings. Also, given the age of the site buildings it is possible that lead-based paint was applied to the exterior of the buildings. Any lead-based paint that leached from weathered window frames or other exterior wood building components, or that peeled from exterior concrete block, may have resulted in the release of lead to shallow soil. Evidence that paint had leached from the window frames was visually observed during the Phase I ESA activities	Constituents in pesticides and herbicides may have migrated through surface soils to deeper soils and possibly to groundwater where they were applied. In addition, any lead-based paint applied to wooden window frames may have impacted surface soils and leached from these soils due to infiltrating precipitation thereby affecting deeper soils and possibly groundwater.	Pesticides, Herbicides, Lead	Soil Samples SS-13 through SS-21 Soil Borings SB-022, SB-023	Chlordane was detected in SS-21, located around the Crouter Building, at a concentration of 210 ug/kg. Lead was detected near the Adminitration building at SS-14 (470 mg/kg), SS-18 (730 mg/kg) and near the Wood Shed at SS-19 (570 mg/kg).	Additional surface samples will be needed along the perimeter of Crouter Building, to determine the extent of soil that may have been impacted with pesticides. Additionally, more samples will be needed around older buildings, or buildings which may have been painted with lead based paints. All samples collected will need to be analyzed for metals and pesticides.

Table 4-1
PRELIMINARY CONCEPTUAL SITE MODEL / PHASE II/III SUBSURFACE INVESTIGATION ACTIVITIES
Former Mystic Oral School for the Deaf, Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern	Summary of Investigation	Summary of Initial Phase II Investigation Activities	Conclusions of Initial PhaseII Investigation Activity Results, Preliminary Comparison to RSR Criteria, Recommended Scope of Work
AOC 8 Transformers	Three exterior, wet-type electrical transformers are situated upon concrete pads. Dielectric fluids within the transformers may contain PCBs, or at one time may have contained PCBs. No stains were observed on the concrete pads.	Dielectric fluid contained within the transformers may have leaked onto the concrete pads. The fluid could have migrated toward cracks in the concrete or toward areas surrounding the pads. The fluids could then migrate to the underlying soil and possibly to groundwater.	ETPH, PCBs	Soil Samples SS-01, SS-02, SS-03, SS-07, SS-08, SS-09	Surface soil samples taken at SS-07, SS-08 and SS-09 have ETPH detects at 160, 450 and 390mg/kg, respectively. All three also have exceedances applicable RSR criteria for soil of benzo(a)anthracene, benzo(b)fluoranthene and benzo(a)pyrene.	Additional soil borings are needed around this transformer. Soil borings are also needed in the vicinity of two other transformers that, so far, have not been adequately investigated.
AOC 9 Crouter Building	This building was used for classroom space, a carpentry shop, a paint room/spray paint booth, an internal combustion engine laboratory, and a gymnasium. The building is currently used to store equipment and materials including empty containers of hydrochloric acid. Areas of the floor within the internal combustion engine laboratory were observed to be stained.	Hazardous substances and petroleum products may have spilled to the concrete floor of the building and may have migrated through the floor or through cracks in the floor, thereby impacting underlying soils.	VOCs, PAHs, ETPH, Metals	Soil Borings SB-009, SB-010, SB-011, SB-012, SB-062	Samples collected from borings advanced within the Crouter building do not contain elevated levels of any of the constituents of concern. There is no indication that a release of hazardous materials has occurred in this building.	Further investigation in this area is not warranted.
AOC 10 Administration and Girls Wing Boiler Rooms	The boilers within the Administration Building and the basement of the Girls Wing are used to provide steam and hot water. The boilers are fueled using No. 4 heating oil, but had previously been fueled using No. 6 heating oil and pre-heaters. Originally, the boiler within the Girls Wing was fueled using coal. A coal chute was located along the Boiler Room east wall. A release of heating oil was reported to have occurred within the Boiler Room of the Administration Building. The release resulted in the migration of heating oil across the floor into the Boiler Room sump. In addition, boiler blow down water that is discharged on a daily basis to the sump was historically discharged through the concrete floor of this room.	Releases of hazardous substances or petroleum products could have resulted from the daily discharge of boiler blow down water. Releases of petroleum products within the building could have resulted in substances traveling through the existing sump and/or penetrating the concrete slab, and/or migrating through the cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs, PAHs, ETPH, Metals	Soil Borings SB-048, SB-049, SB-050, SB-051, SB-058	Samples collected from SB-045, a borings advanced in the Adminitration wing boiler room, contained PAHs concentrations ranging from 220 ug/kg to 380 ug/kg.	Additional investigation is required to determine the extent of PAHs present in soil in the Administration wing boiler room. Soil sampling is required in the Girls wing boiler room, an area that has not yet been adequately investigated.
AOC 11 Administration Building Storage Rooms and Photography Lab	The storage rooms within the Administration Building include the Janitor Room, which was observed to contain a number of chemical cleaning products. The floor of this room was observed to be stained. The photography lab located on the ground floor of the Boys Wing was observed to be constructed of cinder block. The floor within this laboratory appeared to be in relatively good condition. No staining was observed. A drain located within this room was reported to be connected to the on-site wastewater discharge system.	Hazardous substances spilled to the floor of the building may have migrated through the floor drain piping or concrete slab and/or may have migrated through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs, PAHs, ETPH, Metals, Cyanide	Soil Borings SB-052, SB-053, SB-059, SB-061	ETPH was detected at a low concentrations in the samples collected from this AOC. It is not likely that a release of hazardous materials has occurred in this area.	Further investigation in this area is not warranted.
AOC 12 Hydraulic Elevators	Two hydraulically-powered elevators exist within the Administration Building: a passenger elevator is located within the central part of the Administration Building, and a freight elevator is located adjacent to the loading dock within this building and was formerly used to deliver goods to the kitchen located on the second floor. In addition, one pulley-operated elevator is located within the Boiler Room of the Administration building. The concrete floor was stained near the hydraulic reservoir of the freight elevator located adjacent to the loading dock of the Administration building.	Releases of petroleum products and/or hazardous substances could have resulted from past use of the elevators. Stains on the concrete floor adjacent to the hydraulic reservoir is evidence that hydraulic oil may have been resulted in impacts to underlying soil. Hydraulic oil released to the floor may have penetrated the floor and/or may have migrated through cracks or joints in the concrete slab floor and may have affected the underlying soil.	VOCs, PAHs, ETPH, PCBs, Metals	Soil Boring SB-045	Several PAHs were detected at concentrations ranging from 220 to 380 ug/kg in a sample collected 0-2 fbg at SB-045.	Additional borings will be required to determine if a release has occurred in this area.
AOC 13 Emergency Generator	An Emergency Generator is located in the parking area north of the Administration Building. This generator provides back-up power to the Administration Building. The reported release of approximately 150 to 200 gallons of diesel oil to the ground in the area of the Emergency Generator may have impacted subsurface soil. In addition, there may have been other releases of diesel oil from the UST formerly located in this AOC.	Diesel oil may have been released directly to the soil from a leak in the UST or subsurface piping. Oil released to the ground may have migrated through shallow soil and impacted subsurface soils.	VOCs, PAHs, Metals, ETPH	Soil Borings SB-034, SB-035, MW-03 Monitoring Well MW-03	ETPH was detected at a concentration of 250 mg/kg in a soil sample collected at MW-01. SS-07, SS-08 and SS-09 have ETPH detects at 160, 450 and 390mg/kg, respectively. Elevated levels of PAHs, indicative of an oil release were detected in samples collected from SS-07, SS-08, SS-09, SB-034 and SB-035,. The concentrations of these PAHs range from 210 ug/kg to 590 ug/kg.	Additional borings surrounding this emergency generator will be required to determine the extent of oil released in this area.
AOC 14 Maintenance Garage / Storage Areas	A heating oil furnace and associated 275-gallon heating oil AST is located along the southern wall of the Maintenance Garage. Gasoline is stored in this building. The garage is used to perform routine maintenance on power and other equipment. Several containers of liquid waste are stored in the Wood Shed. Waste oils and waste gasoline were observed to be stored on a containment pallet in this shed. Also, the concrete floor of this shed was observed to be heavily stained with oil.	Releases of petroleum products may have occurred during transfer and storage. Releases during filling could result from overflows at the exterior fill ports and tank vents. Releases during storage could result from leaks in the tanks and appurtenant piping. Releases of petroleum products within the building could have resulted in substances penetrating the concrete slab, and/or migrating through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater. If the paint contained metals or PCBs, then flakes of paint could have accumulated on and impacted the ground surface beneath the garage.	VOCs, PAHs, ETPH, PCBs, Metals	Soil Borings SB-023, SB-037, SB-038	ETPH was detected at a concentration of 570 mg/kg in SB-038 which had been advanced in the Wood shed. Naphthalene and phenanthrene were also detected in this sample at 270 and 250 ug/kg. The concentration of ETPH exceeds applicable RSR criteria. Constituents were not detected at levels indicative of a release in the samples collected from within the maintenance garage.	Additional sample is required to delineate the extent of the oil release within the Wood shed. Although no constituents were detected at levels indicative of a release in samples collected in the maintenance garage, additional investigation is required in this building as well.

Table 4-1
PRELIMINARY CONCEPTUAL SITE MODEL / PHASE II/III SUBSURFACE INVESTIGATION ACTIVITIES
Former Mystic Oral School for the Deaf, Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern	Summary of Investigation	Summary of Initial Phase II Investigation Activities	Conclusions of Initial PhaseII Investigation Activity Results, Preliminary Comparison to RSR Criteria, Recommended Scope of Work
AOC 15 Pratt Building Mechanical Rooms	The Pratt Building Mechanical Rooms include the boiler room and the pool chemical supply room. The floor of the boiler room was observed to be stained in several areas. The pool chemical supply room was formerly used to add chlorine to circulated pool water and to back-flush the pool water. The floor of this room was also observed to be stained. The staining that was observed is typical for the mechanical functions served by these rooms.	Releases of hazardous substances or petroleum products could initially impact and penetrate the floor, and/or migrate toward joints and/or cracks in the floor. These substances could subsequently migrate to underlying soil and groundwater.	VOCs, PAHs, ETPH, Metals	Soil Borings SB-055, SB-056	Several metals were the only constituents detected in samples collected from this AOC. The concentrations of these metals are not indicative of a release.	Further investigation in this area is not warranted
AOC 16 Former Site Features	The Former Rubbish Burner, Shop, and Garage were located north of the driveway/parking area that is north of the Administration Building.	Hazardous substances or petroleum products may have been released during historic use of the former Rubbish Burner, Shop, and Garage. Substances released at the ground surface could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. Substances could then migrate to subsurface soil and possibly to groundwater. If the Rubbish Burner was an in-ground rubbish burner, then substances could have been released directly to subsurface soil.	VOCs, PAHs, ETPH, PCBs, Metals, Pesticides, Herbicides	Soil Borings SB-006, SB-007, MW-02 Monitoring Well MW-02	Soil collected from 0-0.5 fbg at SB-007 contained ETPH at a concentration of 450 mg/kg as well as multiple PAHs ranging in concentration from 200 ug/kg to 770 ug/kg. PAHs were also detected at similar concentrations in soil collected 0-0.5 fbg at MW-02. These levels indicate that a release may have occurred in this area.	Additional sampling is needed to delineate the extent of elevated ETPH and PAHs in this area. Sampling is also needed in the area of the former rubbish burner, as this area has not been adequately investigated yet.
AOC 17 Loading Docks	The loading docks at the Site were used to receive goods and materials, including small quantities of chemicals, delivered to the Administration Building and the Durant Building. Loading docks are considered AOCs because they are likely areas for the handling of raw materials, chemical products, and wastes. Any product used within the facility is a constituent of concern at a loading dock. The loading docks did not appear to be stained.	Releases of hazardous substances or petroleum products could initially impact and penetrate the concrete docks or adjacent asphalt pavement and/or migrate toward cracks in the concrete or pavement or toward areas surrounding the pavement. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs, PAHs, ETPH, Metals	Soil Boring SB-028	ETPH and phenanthrene were found in SB-028 4-6 fbg at concentrations of 200 mg/kg and 450 ug/kg, respectively. Additional investigation is needed for this AOC. The concentrations of these constituents indicate the possibility of a release in this area.	Additional sampling is needed in both loading dock areas to adequately investigate any potential releases.

Abbreviations
AOC: Area of Concern
AST: Aboveground Storage Tank
ETPH: Extractable Total Petroleum Hydrocarbons
MW: Monitoring Well
PAHs: Polynuclear Aromatic Hydrocarbons
PCBs: Polychlorinated Biphenyls
SB: Soil Boring
UST: Underground Storage Tank
VOCs: Volatile Organic Compounds

Table 5-1
SOIL SAMPLING AND ANALYTICAL INFORMATION
Former Mystic Oral School for the Deaf

Loureiro
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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
MW-01	1273755	01/24/2013	0 - 2	SB								
MW-01	1273756	01/24/2013	2 - 4	SB		x	x		x	X	X	
MW-01	1273757	01/24/2013	4 - 6	SB								
MW-01	1273758	01/24/2013	6 - 8	SB								
MW-01	1273759	01/24/2013	8 - 10	SB		x	x		x	x	X	
MW-01	1273760	01/24/2013	10 - 12	SB								
MW-02	1273775	01/24/2013	0 - 0.5	SB		x	X	x	x	X	X	
MW-02	1273776	01/24/2013	0.5 - 2.0	SB								
MW-02	1273777	01/24/2013	2 - 4	SB								
MW-02	1273778	01/24/2013	4 - 6	SB		x	x		x	x	X	
MW-02	1273779	01/24/2013	6 - 8	SB								
MW-02	1273780	01/24/2013	8 - 10	SB								
MW-03	1273829	01/28/2013	0 - 2	SB								
MW-03	1273830	01/28/2013	2 - 4	SB		x	x			X		
MW-03	1273831	01/28/2013	4 - 6	SB		x	x			X		
MW-03	1273832	01/28/2013	6 - 8	SB								
MW-03	1273833	01/28/2013	8 - 10	SB								
MW-03	1273834	01/28/2013	10 - 12.4	SB								
SB-001	1273750	01/24/2013	0 - 2	SB		X	x		x	X	X	
SB-001	1273751	01/24/2013	2 - 4	SB								
SB-001	1273752	01/24/2013	4 - 6	SB		x	x		x	x	X	
SB-001	1273753	01/24/2013	6 - 8	SB								
SB-001	1273754	01/24/2013	8 - 9	SB								
SB-002	1270649	01/24/2013	0 - 0.5	SB		X	x		x	X	X	
SB-002	1270650	01/24/2013	0.5 - 2	SB								
SB-003	1273768	01/24/2013	0 - 0.5	SB		x	X		x	X	X	
SB-003	1273769	01/24/2013	0.5 - 2.0	SB		x	X		x	X	X	
SB-004	1273744	01/24/2013	0 - 0.5	SB		x	x		x	X	X	
SB-004	1273745	01/24/2013	0.5 - 2	SB								
SB-005	1273770	01/24/2013	0 - 0.5	SB		x	x	x	x	X	X	
SB-005	1273771	01/24/2013	0.5 - 2.0	SB		x	x	x	x	X	X	
SB-005	1273772	01/24/2013	2 - 4	SB								

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Table 5-1
SOIL SAMPLING AND ANALYTICAL INFORMATION
Former Mystic Oral School for the Deaf

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-005	1273773	01/24/2013	4 - 6	SB		x	x		x	x	X	
SB-005	1273774	01/24/2013	6 - 8	SB								
SB-006	1273746	01/24/2013	0 - 0.5	SB		x	x		x	X	X	
SB-006	1273747	01/24/2013	0.5 - 2	SB								
SB-007	1273748	01/24/2013	0 - 0.5	SB		X	X		x	X	X	
SB-007	1273749	01/24/2013	0.5 - 2	SB								
SB-008	1273781	01/24/2013	0 - 0.5	SB		x	x	x	x	X	X	
SB-008	1273782	01/24/2013	0.5 - 2.0	SB		x	X		x	X	X	
SB-008	1273783	01/24/2013	2 - 4	SB								
SB-009	1273863	01/29/2013	0 - 1	SB		x	x			x	X	
SB-010	1273864	01/29/2013	0 - 1.8	SB		x	x			X	X	
SB-011	1273865	01/29/2013	0 - 1.5	SB		x	x			x	X	
SB-012	1273866	01/29/2013	0 - 2	SB		x	x			X	X	
SB-014	1273801	01/25/2013	0 - 2	SB			X		x	x	X	
SB-015	1273802	01/25/2013	0 - 2	SB			X		x	X	X	
SB-016	1273803	01/25/2013	0 - 2	SB			x		x	x	X	
SB-022	1273800	01/25/2013	0.0 - 0.5	SB		x	X		x	X		
SB-022	1273804	01/25/2013	0.5 - 2.0	SB		x	X			X		
SB-023	1273805	01/25/2013	0.0 - 0.5	SB		x	X		x	X	X	
SB-023	1273806	01/25/2013	0.5 - 2.0	SB		x	x			X	X	
SB-028	1273808	01/25/2013	0 - 2	SB		x	x			x	X	
SB-028	1273809	01/25/2013	2 - 4	SB								
SB-028	1273810	01/25/2013	4 - 5.5	SB		x	X			X	X	
SB-029	1273807	01/25/2013	0.0 - 2.0	SB		x	x			X	X	
SB-032	1273843	01/28/2013	0 - 2	SB								
SB-032	1273844	01/28/2013	2 - 4	SB		x	x			x		
SB-032	1273851	01/28/2013	4 - 6	SB								
SB-032	1273852	01/28/2013	6 - 7.5	SB		x	x			x		
SB-033	1273839	01/28/2013	0 - 2	SB								
SB-033	1273840	01/28/2013	2 - 4	SB		x	x			X		
SB-033	1273841	01/28/2013	4 - 6	SB		x	x			X		
SB-033	1273842	01/28/2013	6 - 7	SB								

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-034	1273765	01/24/2013	0 - 2	SB		x	X			X		
SB-035	1273766	01/24/2013	0 - 2	SB		x	x			X		
SB-035	1273767	01/24/2013	0 - 2	SB		x	X			X		
SB-037	1273869	01/29/2013	0 - 2	SB		x	x			X		
SB-038	1273867	01/29/2013	0 - 2	SB		X	X		x	X	X	
SB-038	1273868	01/29/2013	0 - 2	SB		x	x		x	X	X	
SB-039	1273871	01/30/2013	0 - 2	SB		x	x			x		
SB-039	1273872	01/30/2013	0 - 2	SB								
SB-040	1273811	01/25/2013	0.0 - 0.5	SB		x	X		x	X	X	
SB-040	1273812	01/25/2013	0.5 - 2	SB		x	X		x	X	X	
SB-041	1273813	01/25/2013	0.0 - 0.5	SB		x	X		x	X	X	
SB-041	1273814	01/25/2013	0.5 - 2	SB		x	X		x	X	X	
SB-042	1273824	01/25/2013	0.0 - 2.5	SB		x	X		x	X	X	
SB-042	1273828	01/25/2013	0 - 2.5	SB		x	X		x	X	X	
SB-043	1273815	01/25/2013	0 - 2	SB		x	x		x	x	X	
SB-043	1273816	01/25/2013	0 - 2	SB		x	x		x	X	X	
SB-043	1273817	01/25/2013	2 - 4	SB								
SB-043	1273818	01/25/2013	4 - 6	SB								
SB-043	1273819	01/25/2013	6 - 8	SB		x	x		x	X	X	
SB-043	1273820	01/25/2013	8 - 10	SB								
SB-043	1273821	01/25/2013	10 - 12	SB								
SB-043	1273822	01/25/2013	12 - 14	SB								
SB-043	1273823	01/25/2013	14 - 16	SB								
SB-044	1273794	01/24/2013	0 - 2	SB								
SB-044	1273795	01/24/2013	2 - 4	SB								
SB-044	1273796	01/24/2013	4 - 6	SB								
SB-044	1273797	01/24/2013	6 - 8	SB								
SB-044	1273798	01/24/2013	8 - 10	SB								
SB-044	1273799	01/24/2013	10 - 12	SB								
SB-045	1273858	01/28/2013	0 - 2	SB		x	X		x	X		
SB-045	1273860	01/28/2013	0 - 2	SB		x	X		x	X		
SB-048	1273825	01/25/2013	0 - 2	SB			x			X		

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-049	1273826	01/25/2013	0 - 2	SB			x			X		
SB-050	1273827	01/25/2013	0 - 2	SB			x			X		
SB-051	1273859	01/28/2013	0 - 2	SB		x	x			X		
SB-052	1273857	01/28/2013	0 - 2	SB		x	x			x		
SB-053	1273856	01/28/2013	0 - 2	SB		x	X			X		
SB-054	1273873	01/30/2013	0 - 2	SB		x	x			x		
SB-055	1273861	01/29/2013	0 - 2	SB		x	x			x	X	
SB-056	1273862	01/29/2013	0 - 2	SB		x	x				X	
SB-058	1273870	01/29/2013	0 - 2	SB		x	X			X	X	
SB-059	1273854	01/28/2013	0 - 2	SB		x	x			X	X	x
SB-059	1273855	01/28/2013	0 - 2	SB		x	x			X	X	X
SB-061	1273853	01/28/2013	0 - 1.8	SB		x	x			x	X	x
SB-062	1273845	01/28/2013	0 - 2	SB								
SB-062	1273846	01/28/2013	2 - 4	SB		x	x			X	X	
SB-062	1273847	01/28/2013	4 - 6	SB								
SB-062	1273848	01/28/2013	6 - 8	SB								
SB-062	1273849	01/28/2013	8 - 10	SB		x	x			x	X	
SB-062	1273850	01/28/2013	10 - 12	SB								
SB-063	1273835	01/28/2013	0 - 2	SB		x	X			X		
SB-063	1273836	01/28/2013	2 - 4	SB		x	X			X		
SB-063	1273837	01/28/2013	4 - 6	SB		x	X			X		
SB-063	1273838	01/28/2013	6 - 8	SB		x	X			X		
SB-300	1287289	08/26/2013	0 - 2	SB			x			X		
SB-300	1287290	08/26/2013	2 - 4	SB			x			X		
SB-301	1287291	08/26/2013	0 - 2	SB			x			X		
SB-301	1287292	08/26/2013	2 - 4	SB			x			X		
SB-302	1287293	08/26/2013	0 - 2	SB			x			X		
SB-302	1287294	08/26/2013	2 - 4	SB			X			X		
SB-303	1287295	08/26/2013	0 - 4	SB		x	x			X	X	
SB-303	1287296	08/26/2013	4 - 8	SB								
SB-304	1287297	08/26/2013	0 - 4	SB		x	X			X	X	
SB-304	1287298	08/26/2013	4 - 6	SB								

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-305	1287302	08/26/2013	0 - 4	SB		x	X			X	X	
SB-305	1287303	08/26/2013	4 - 8	SB								
SB-306	1287299	08/26/2013	0 - 2	SB			x			X		
SB-306	1287300	08/26/2013	2 - 4	SB			x			X		
SB-306	1287301	08/26/2013	4 - 8	SB					X			
SB-307	1287304	08/26/2013	0 - 2	SB			x			X		
SB-307	1287305	08/26/2013	2 - 4	SB			x			X		
SB-307	1287306	08/26/2013	6 - 8	SB					x			
SB-308	1287307	08/26/2013	0 - 2	SB			x			X		
SB-308	1287308	08/26/2013	2 - 4	SB			x			X		
SB-309	1287309	08/27/2013	0 - 2	SB		x	X			X	X	
SB-309	1287310	08/27/2013	2 - 4	SB		x	X			X	X	
SB-309	1287311	08/27/2013	4 - 6	SB								
SB-310	1287312	08/27/2013	0 - 2	SB		x	X			X	X	
SB-310	1287313	08/27/2013	2 - 4	SB		x	X			X	X	
SB-311	1287314	08/27/2013	0 - 2	SB		x	X			X	X	
SB-311	1287315	08/27/2013	2 - 4	SB		x	X			X	X	
SB-312	1287341	08/28/2013	6 - 8	SB		x	x			x		
SB-312	1287342	08/28/2013	8 - 10	SB		x	X			X		
SB-312	1287343	08/28/2013	10 - 12	SB		x	x			x		
SB-312A	1287316	08/27/2013	0 - 2	SB		x	X			X	X	
SB-312A	1287317	08/27/2013	2 - 4	SB		x	x			X	X	
SB-312A	1287318	08/27/2013	4 - 6	SB								
SB-313	1287319	08/27/2013	0 - 2	SB		x	X			X	X	
SB-313	1287355	08/27/2013	0 - 2	SB		X	X			X	X	
SB-313	1287321	08/27/2013	2 - 4	SB		X	X			X	X	
SB-313	1287320	08/27/2013	4 - 6	SB			X			X		
SB-314A	1287322	08/27/2013	0 - 2	SB			X		x	X		
SB-314A	1287354	08/27/2013	0 - 2	SB			X		x	X		
SB-314A	1287323	08/27/2013	2 - 4	SB			X		x	X		
SB-314A	1287324	08/27/2013	4 - 6	SB								
SB-315A	1287360	08/27/2013	0 - 2	SB			X		x	X		

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-315A	1287361	08/27/2013	2 - 4	SB			x		x	x		
SB-315A	1287362	08/27/2013	4 - 6	SB								
SB-316A	1287363	08/27/2013	0 - 2	SB		x	X			X	X	
SB-316A	1287364	08/27/2013	2 - 4	SB		x	X			X	X	
SB-316A	1287365	08/27/2013	4 - 6	SB								
SB-317	1287403	08/28/2013	0 - 2	SB		x	X			X	X	
SB-317	1287404	08/28/2013	2 - 4	SB		x	X			X	X	
SB-317	1287405	08/28/2013	4 - 6	SB								
SB-317	1287329	08/28/2013	6 - 8	SB								
SB-318	1287330	08/28/2013	0 - 2	SB		x	x			x	X	
SB-318	1287331	08/28/2013	2 - 4	SB		x	x			x	X	
SB-318	1287332	08/28/2013	4 - 6	SB								
SB-318	1287333	08/28/2013	6 - 8	SB								
SB-322	1287335	08/28/2013	0 - 2	SB						X		
SB-322	1287336	08/28/2013	2 - 4	SB						X		
SB-322	1287337	08/28/2013	4 - 6	SB								
SB-324	1287374	08/28/2013	0 - 2	SB			x		x	X		
SB-324	1287375	08/28/2013	2 - 4	SB			x		x	X		
SB-324	1287385	08/28/2013	4 - 6	SB								
SB-325	1287400	08/28/2013	0 - 2	SB			x		x	X		
SB-325	1287401	08/28/2013	2 - 4	SB			x		x	X		
SB-325	1287402	08/28/2013	4 - 5.52	SB								
SB-326	1287366	08/27/2013	0 - 2	SB			x				X	
SB-326	1287367	08/27/2013	2 - 4	SB			x				X	
SB-327	1287368	08/27/2013	0 - 2	SB			x				X	
SB-327	1287369	08/27/2013	2 - 4	SB			x				X	
SB-328	1287370	08/27/2013	0 - 2	SB			x				X	
SB-328	1287371	08/27/2013	2 - 4	SB			x				X	
SB-329	1287408	08/29/2013	0 - 2	SB		x				X		
SB-329	1287409	08/29/2013	2 - 3	SB		x				X		
SB-330	1287372	08/27/2013	0 - 2	SB		x				X		
SB-330	1287373	08/27/2013	2 - 4	SB		x				X		

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SB-331	1287410	08/29/2013	0 - 2	SB		X				X		
SB-331	1287411	08/29/2013	2 - 4	SB		x				X		
SB-332	1287338	08/28/2013	0 - 2	SB			x		x	X		
SB-332	1287339	08/28/2013	2 - 4	SB			x		x	x		
SB-332	1287340	08/28/2013	4 - 6	SB								
SB-333	1287447	08/30/2013	0 - 2	SB			X		x	X		
SB-333	1287448	08/30/2013	2 - 4	SB			X		x	X		
SB-333	1287449	08/30/2013	4 - 6	SB			X		x	X		
SB-333	1287450	08/30/2013	6 - 8	SB			X		x	X		
SB-339	1287451	08/30/2013	0 - 2	SB			x		x	X		
SB-339	1287455	08/30/2013	0 - 2	SB			X		x	X		
SB-339	1287452	08/30/2013	2 - 4	SB			x		x	X		
SB-339	1287453	08/30/2013	4 - 6	SB			x		x	X		
SB-339	1287454	08/30/2013	6 - 8	SB			x		x	X		
SB-350	1287345	08/29/2013	0 - 2	SB		x	x			X	X	
SB-350	1287398	08/29/2013	2 - 4.03	SB		x	x			x	X	
SB-351	1287325	08/29/2013	0 - 1.5	SB		x	x			X		
SB-352	1287326	08/29/2013	0 - 0.66	SB			x			x		
SB-353	1287327	08/29/2013	0 - 0.66	SB			X			X		
SS-01	1273761	01/24/2013	0 - 0.5	SB			X		x	X		
SS-02	1273762	01/24/2013	0 - 0.5	SB			X		x	X		
SS-03	1273763	01/24/2013	0 - 0.5	SB			X		x	X		
SS-07	1273741	01/24/2013	0 - 0.5	SB			X		x	X		
SS-08	1273742	01/24/2013	0 - 0.5	SB			X		x	X		
SS-09	1273743	01/24/2013	0 - 0.5	SB			X		x	X		
SS-13	1273764	01/24/2013	0 - 0.5	SB					x		X	
SS-14	1273784	01/24/2013	0 - 0.5	SB					x		X	
SS-15	1273785	01/24/2013	0 - 0.5	SB					x		X	
SS-16	1273786	01/24/2013	0 - 0.5	SB		X	X		x		X	
SS-17	1273787	01/24/2013	0 - 0.5	SB					x			
SS-18	1273788	01/24/2013	0 - 0.5	SB					x		X	
SS-19	1273789	01/24/2013	0 - 0.5	SB					x		X	

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Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
SS-20	1273790	01/24/2013	0 - 0.5	SB					x			
SS-21	1273791	01/24/2013	0 - 0.5	SB					X		X	
SS-300	1287377	08/28/2013	0-0.5	SS					X		X	
SS-301	1287378	08/28/2013	0-0.5	SS					X		X	
SS-302	1287379	08/28/2013	0-0.5	SS					X		X	
SS-303	1287380	08/28/2013	0-0.5	SS					X		X	
SS-304	1287381	08/28/2013	0-0.5	SS					x		X	
SS-305	1287386	08/28/2013	0-0.5	SS					X		X	
SS-306	1287387	08/28/2013	0-0.5	SS					X		X	
SS-307	1287388	08/28/2013	0-0.5	SS					X		X	
SS-308	1287389	08/28/2013	0-0.5	SS					X		X	
SS-309	1287390	08/28/2013	0-0.5	SS					X		X	
SS-310	1287391	08/28/2013	0-0.5	SS					X		X	
SS-311	1287392	08/28/2013	0-0.5	SS					X		X	
SS-312	1287393	08/28/2013	0-0.5	SS					x		X	
SS-313	1287382	08/28/2013	0-0.5	SS					x		X	
SS-314	1287383	08/28/2013	0-0.5	SS					X		X	
SS-315	1287384	08/28/2013	0-0.5	SS					X		X	
SS-316	1287394	08/28/2013	0-0.5	SS					x		X	
SS-317	1287395	08/28/2013	0-0.5	SS					x		X	
SS-318	1287396	08/28/2013	0-0.5	SS					X		X	
SS-318	1287406	08/28/2013	0-0.5	SS					X		X	
SS-319	1287397	08/28/2013	0-0.5	SS					X		X	
Test Pit 1	1287349	08/29/2013	13	SS		x	X		x	X	X	
Test Pit 2	1287350	08/29/2013	13	SS		x	X		x	X	X	

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Table 6-1
CONSTITUENTS DETECTED IN SOIL
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	Location ID	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03
	Sample ID	1273756	1273756	1273759	1273775	1273778	1273830	1273831
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	14:35	14:49	10:23	10:26
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'	4' - 6'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-46	13A0643-49	13A0744-12	13A0744-13
Constituent	Units							
Date Metals Analyzed	-	01/29/2013		01/29/2013	01/29/2013	01/29/2013		
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013		01/30/2013		02/06/2013	02/06/2013
Date Semivolatile Organics Analyzed	-				01/29/2013			
Arsenic	mg/kg							
Barium	mg/kg	61		23	63	18		
Cadmium	mg/kg							
Chromium, Total	mg/kg	14		5.0	13	8.4		
Copper	mg/kg	14		3.8	12	8.0		
Lead	mg/kg	170		2.1	26	3.6		
Mercury	mg/kg	0.10			0.12			
Nickel	mg/kg	6.6		2.7	7.6	4.4		
Silver	mg/kg							
Zinc	mg/kg	77		10	44	25		
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		32		81		25	250
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg				280			
Benzo[b]fluoranthene	ug/kg				450			
Benzo(a)pyrene	ug/kg				290			
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
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	Location ID	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03	MW-03
	Sample ID	1273756	1273756	1273759	1273775	1273778	1273830	1273831
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	14:35	14:49	10:23	10:26
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'	4' - 6'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-46	13A0643-49	13A0744-12	13A0744-13
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg				340			
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg				630			
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg				270			
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg				320			
Pyrene	ug/kg				540			
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-001	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
	Sample ID	1273750	1273750	1273752	1270649	1270649	1273768	1273768
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:27	11:27	11:37	13:10	13:10	13:40	13:40
	Sample Depth	0' - 2'	0' - 2'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-11	13A0643-11RE1	13A0643-39	13A0643-39RE1
Constituent	Units							
Date Metals Analyzed	-	01/29/2013		01/29/2013	01/29/2013		01/29/2013	
Date Organics Analyzed	-	01/30/2013			01/31/2013			
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013			01/31/2013		01/31/2013
Date Semivolatile Organics Analyzed	-						01/29/2013	
Arsenic	mg/kg							
Barium	mg/kg	29		34	46		53	
Cadmium	mg/kg							
Chromium, Total	mg/kg	9.7		20	16		14	
Copper	mg/kg	5.2		11	13		17	
Lead	mg/kg	9.9		6.4	4.5		7.4	
Mercury	mg/kg			0.11				
Nickel	mg/kg	7.2		8.5	11		11	
Silver	mg/kg							
Zinc	mg/kg	18		23	25		47	
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		38			16		66
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg						400	
Benzo(a)pyrene	ug/kg						240	
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-001	SB-001	SB-001	SB-002	SB-002	SB-003	SB-003
	Sample ID	1273750	1273750	1273752	1270649	1270649	1273768	1273768
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:27	11:27	11:37	13:10	13:10	13:40	13:40
	Sample Depth	0' - 2'	0' - 2'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-11	13A0643-11RE1	13A0643-39	13A0643-39RE1
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg						240	
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg						360	
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg						270	
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg						350	
Acenaphthene	ug/kg							
Acetone	ug/kg				22000			
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg	2.2						
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg	5.0						
o-Xylene	ug/kg	6.5						
Xylenes,m- & p-	ug/kg	12						
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-003	SB-003	SB-004	SB-004	SB-005	SB-005	SB-005
	Sample ID	1273769	1273769	1273744	1273744	1273770	1273770	1273771
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:47	13:47	10:08	10:08	13:58	13:58	13:58
	Sample Depth	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1	13A0643-41	13A0643-41RE1	13A0643-42
Constituent	Units							
Date Metals Analyzed	-	01/29/2013		01/29/2013		01/29/2013		01/29/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013		01/31/2013		01/31/2013	01/31/2013
Date Semivolatile Organics Analyzed	-	01/29/2013						
Arsenic	mg/kg	3.0		8.6				
Barium	mg/kg	62		45		52		50
Cadmium	mg/kg							
Chromium, Total	mg/kg	11		32		16		16
Copper	mg/kg	13		16		9.7		11
Lead	mg/kg	12		16		8.3		8.1
Mercury	mg/kg			0.067		0.043		0.041
Nickel	mg/kg	7.5		11		9.8		8.5
Silver	mg/kg							
Zinc	mg/kg	32		41		28		27
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		61		290		38	47
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg	410						
Benzo[b]fluoranthene	ug/kg	740						
Benzo(a)pyrene	ug/kg	480						
Benzo(g,h,i)perylene	ug/kg	260						

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-003	SB-003	SB-004	SB-004	SB-005	SB-005	SB-005
	Sample ID	1273769	1273769	1273744	1273744	1273770	1273770	1273771
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:47	13:47	10:08	10:08	13:58	13:58	13:58
	Sample Depth	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1	13A0643-41	13A0643-41RE1	13A0643-42
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	260						
Carbazole	ug/kg							
Chrysene	ug/kg	610						
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	970						
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg	380						
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	650						
Pyrene	ug/kg	950						
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-006	SB-006	SB-006	SB-007	SB-007	SB-007
	Sample ID	1273773	1273746	1273746	1273746	1273748	1273748	1273748
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	14:10	10:13	10:13	10:13	10:20	10:20	10:20
	Sample Depth	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2	13A0643-26	13A0643-26RE1	13A0643-26m
Constituent	Units							
Date Metals Analyzed	-	01/29/2013	01/29/2013			01/29/2013		
Date Organics Analyzed	-					01/29/2013		01/31/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-			01/31/2013	02/01/2013		01/31/2013	
Date Semivolatile Organics Analyzed	-					01/30/2013		
Arsenic	mg/kg							
Barium	mg/kg	22	55			35		
Cadmium	mg/kg							
Chromium, Total	mg/kg	5.7	19			18		
Copper	mg/kg	4.3	11			20		
Lead	mg/kg	1.8	27			66		
Mercury	mg/kg		0.048			0.057		
Nickel	mg/kg	2.8	9.9			10		
Silver	mg/kg							
Zinc	mg/kg	14	38			37		
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			63	73		450	
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg					270		
Benzo[b]fluoranthene	ug/kg					770		
Benzo(a)pyrene	ug/kg					370		
Benzo(g,h,i)perylene	ug/kg					200		

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-006	SB-006	SB-006	SB-007	SB-007	SB-007
	Sample ID	1273773	1273746	1273746	1273746	1273748	1273748	1273748
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	14:10	10:13	10:13	10:13	10:20	10:20	10:20
	Sample Depth	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2	13A0643-26	13A0643-26RE1	13A0643-26m
Constituent	Units							
Benzo(k)fluoranthene	ug/kg					250		
Carbazole	ug/kg							
Chrysene	ug/kg					460		
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg					750		
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg					330		
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg					390		
Pyrene	ug/kg					440		
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg					2.8		
Ethylbenzene	ug/kg					35		
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg					490 E		160
o-Xylene	ug/kg					50		
Xylenes,m- & p-	ug/kg					150		
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-008	SB-008	SB-009	SB-010	SB-011	SB-012	SB-014
	Sample ID	1273781	1273782	1273863	1273864	1273865	1273866	1273801
	Sample Date	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/29/2013	01/25/2013
	Sample Time	15:05	15:10	11:45	13:05	13:30	14:15	15:55
	Sample Depth	0' - 0.5'	0.5' - 2.0'	0' - 1'	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-52	13A0643-53	13A0745-03	13A0745-04	13A0745-05	13A0745-06	13A0687-38
Constituent	Units							
Date Metals Analyzed	-	01/29/2013	01/29/2013	02/02/2013	02/02/2013	02/02/2013	02/02/2013	01/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	01/31/2013	01/30/2013		02/05/2013		02/05/2013	
Date Semivolatile Organics Analyzed	-		01/31/2013					01/31/2013
Arsenic	mg/kg							
Barium	mg/kg	45	31	50	60	62	62	14
Cadmium	mg/kg	0.35						
Chromium, Total	mg/kg	16	23	11	19	19	17	8.0
Copper	mg/kg	11	18	8.8	24	14	15	2.9
Lead	mg/kg	12	49	6.0	5.1	5.3	5.6	3.3
Mercury	mg/kg	0.041	0.041					
Nickel	mg/kg	9.1	9.3	7.5	14	12	11	3.8
Silver	mg/kg							
Zinc	mg/kg	40	42	25	25	22	23	15
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	43	1000		11		16	
Acenaphthylene	ug/kg		1700					
Benzo[a]anthracene	ug/kg		2200					
Benzo[b]fluoranthene	ug/kg		6200					
Benzo(a)pyrene	ug/kg		4100					
Benzo(g,h,i)perylene	ug/kg		3400					

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-008	SB-008	SB-009	SB-010	SB-011	SB-012	SB-014
	Sample ID	1273781	1273782	1273863	1273864	1273865	1273866	1273801
	Sample Date	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/29/2013	01/25/2013
	Sample Time	15:05	15:10	11:45	13:05	13:30	14:15	15:55
	Sample Depth	0' - 0.5'	0.5' - 2.0'	0' - 1'	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-52	13A0643-53	13A0745-03	13A0745-04	13A0745-05	13A0745-06	13A0687-38
Constituent	Units							
Benzo(k)fluoranthene	ug/kg		2200					
Carbazole	ug/kg							
Chrysene	ug/kg		3600					
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg		3400					
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg		3800					
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg		1300					200
Pyrene	ug/kg		4000					
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-015	SB-016	SB-022	SB-022	SB-023	SB-023	SB-023
	Sample ID	1273802	1273803	1273800	1273804	1273805	1273805	1273806
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	15:50	16:05	10:45	10:50	11:05	11:05	11:10
	Sample Depth	0' - 2'	0' - 2'	0.0' - 0.5'	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-39	13A0687-40	13A0687-01	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04
Constituent	Units							
Date Metals Analyzed	-	01/30/2013	01/30/2013			02/01/2013		02/01/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/01/2013		01/31/2013	01/31/2013	02/01/2013		01/31/2013
Date Semivolatile Organics Analyzed	-	01/31/2013		01/31/2013	01/31/2013	01/31/2013	01/31/2013	
Arsenic	mg/kg							
Barium	mg/kg	14	34			55		34
Cadmium	mg/kg					0.44		
Chromium, Total	mg/kg	10	4.9			13		14
Copper	mg/kg	3.4	5.1			16		8.7
Lead	mg/kg	5.9	1.9			610		14
Mercury	mg/kg					0.13		0.040
Nickel	mg/kg	4.9	3.3			7.2		7.4
Silver	mg/kg							
Zinc	mg/kg	18	16			160		36
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	140		65	82	240		44
Acenaphthylene	ug/kg	770						
Benzo[a]anthracene	ug/kg	930			220	4700		
Benzo[b]fluoranthene	ug/kg	1100			320	4400		
Benzo(a)pyrene	ug/kg	960			230	3400		
Benzo(g,h,i)perylene	ug/kg	820				1000		

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-015	SB-016	SB-022	SB-022	SB-023	SB-023	SB-023
	Sample ID	1273802	1273803	1273800	1273804	1273805	1273805	1273806
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	15:50	16:05	10:45	10:50	11:05	11:05	11:10
	Sample Depth	0' - 2'	0' - 2'	0.0' - 0.5'	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-39	13A0687-40	13A0687-01	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	520				1500		
Carbazole	ug/kg							
Chrysene	ug/kg	1000			290	5500		
Dibenz(a,h)anthracene	ug/kg					530		
Fluoranthene	ug/kg	2000		320	400	8000		
Fluorene	ug/kg	340						
Indeno(1,2,3-c,d)pyrene	ug/kg	950			260	1400		
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	2200			380		10000	
Pyrene	ug/kg	2100		300	410	7700		
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg	440				1800		
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-028	SB-028	SB-029	SB-033	SB-033	SB-034	SB-034
	Sample ID	1273808	1273810	1273807	1273840	1273841	1273765	1273765
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013
	Sample Time	11:50	12:00	11:30	11:20	11:22	11:33	11:33
	Sample Depth	0' - 2'	4' - 5.5'	0.0' - 2.0'	2' - 4'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-06	13A0687-08	13A0687-05	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1
Constituent	Units							
Date Metals Analyzed	-	01/30/2013	01/30/2013	01/30/2013				
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013	01/31/2013	02/06/2013	02/06/2013		01/31/2013
Date Semivolatile Organics Analyzed	-		01/31/2013				01/28/2013	
Arsenic	mg/kg							
Barium	mg/kg	24	24	23				
Cadmium	mg/kg							
Chromium, Total	mg/kg	7.8	12	9.4				
Copper	mg/kg	6.2	6.6	3.5				
Lead	mg/kg	3.4	1.9	9.0				
Mercury	mg/kg			0.042				
Nickel	mg/kg	5.0	5.0	4.4				
Silver	mg/kg							
Zinc	mg/kg	16	15	18				
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		200	24	20	11		55
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-028	SB-028	SB-029	SB-033	SB-033	SB-034	SB-034
	Sample ID	1273808	1273810	1273807	1273840	1273841	1273765	1273765
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013
	Sample Time	11:50	12:00	11:30	11:20	11:22	11:33	11:33
	Sample Depth	0' - 2'	4' - 5.5'	0.0' - 2.0'	2' - 4'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-06	13A0687-08	13A0687-05	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg						520	
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg		450				370	
Pyrene	ug/kg						590	
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-040
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273811
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/25/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	13:20
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0687-09
Constituent	Units							
Date Metals Analyzed	-					02/02/2013	02/02/2013	01/30/2013
Date Organics Analyzed	-					02/01/2013		
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	01/31/2013		01/31/2013	02/05/2013	02/06/2013	02/06/2013	01/31/2013
Date Semivolatile Organics Analyzed	-		01/28/2013			02/04/2013		01/31/2013
Arsenic	mg/kg							
Barium	mg/kg					42	35	38
Cadmium	mg/kg							
Chromium, Total	mg/kg					9.6	7.1	10
Copper	mg/kg					17	14	14
Lead	mg/kg					76	52	32
Mercury	mg/kg							0.13
Nickel	mg/kg					6.9	5.5	6.3
Silver	mg/kg					0.78		
Zinc	mg/kg					25	19	37
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	38		61	19	570	470	100
Acenaphthylene	ug/kg							770
Benzo[a]anthracene	ug/kg							5300
Benzo[b]fluoranthene	ug/kg							4400
Benzo(a)pyrene	ug/kg							3600
Benzo(g,h,i)perylene	ug/kg							1500

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-040
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273811
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/25/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	13:20
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0687-09
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							1600
Carbazole	ug/kg							
Chrysene	ug/kg							4400
Dibenz(a,h)anthracene	ug/kg							420
Fluoranthene	ug/kg							
Fluorene	ug/kg							620
Indeno(1,2,3-c,d)pyrene	ug/kg							1800
Naphthalene	ug/kg							
Naphthalene	ug/kg					270		
Phenanthrene	ug/kg					250		
Pyrene	ug/kg		210					
Acenaphthene	ug/kg							290
Acetone	ug/kg							
Anthracene	ug/kg							1700
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg					1.6		
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042	SB-043
	Sample ID	1273811	1273812	1273813	1273814	1273824	1273828	1273815
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:25	13:45	13:50	15:00	15:00	14:00
	Sample Depth	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23	13A0687-13
Constituent	Units							
Date Metals Analyzed	-		01/30/2013	01/30/2013	01/30/2013	01/30/2013	01/30/2013	01/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		02/01/2013	02/01/2013	02/01/2013	02/01/2013	02/01/2013	
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013	
Arsenic	mg/kg							
Barium	mg/kg		41	51	45	41	41	34
Cadmium	mg/kg							
Chromium, Total	mg/kg		11	14	14	9.5	7.9	8.7
Copper	mg/kg		10	9.2	9.8	9.8	11	8.4
Lead	mg/kg		18	24	15	7.3	6.9	2.0
Mercury	mg/kg		0.036	0.040	0.055			
Nickel	mg/kg		6.3	7.4	7.7	5.6	4.0	4.8
Silver	mg/kg							
Zinc	mg/kg		36	50	42	31	38	15
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		240	150	110	110	96	
Acenaphthylene	ug/kg				250	400	200	
Benzo[a]anthracene	ug/kg	5300	1400	1600	860	1400	440	
Benzo[b]fluoranthene	ug/kg		2500	2000	940	1800	550	
Benzo(a)pyrene	ug/kg		1700	1500	770	1600	520	
Benzo(g,h,i)perylene	ug/kg		600	560	460	1300	430	

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042	SB-043
	Sample ID	1273811	1273812	1273813	1273814	1273824	1273828	1273815
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:25	13:45	13:50	15:00	15:00	14:00
	Sample Depth	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23	13A0687-13
Constituent	Units							
Benzo(k)fluoranthene	ug/kg		820	670	330	630	240	
Carbazole	ug/kg							
Chrysene	ug/kg		1600	1800	960	1600	500	
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg	11000	2600	3000	1600	2500	850	
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg		890	780	510	1300	460	
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	5700	1200	1400	1200	1700	520	
Pyrene	ug/kg	10000	1900	2600	1700	2700	860	
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg				240			
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049	SB-050
	Sample ID	1273816	1273819	1273858	1273860	1273825	1273826	1273827
	Sample Date	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:15	14:24	14:24	11:40	14:18	15:10
	Sample Depth	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25	13A0687-26
Constituent	Units							
Date Metals Analyzed	-	01/30/2013	01/30/2013					
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/01/2013	02/01/2013	02/06/2013	02/06/2013	02/01/2013	02/01/2013	02/01/2013
Date Semivolatile Organics Analyzed	-			02/04/2013	02/04/2013			
Arsenic	mg/kg							
Barium	mg/kg	34	34					
Cadmium	mg/kg							
Chromium, Total	mg/kg	9.0	9.2					
Copper	mg/kg	7.8	6.2					
Lead	mg/kg	2.2	5.6					
Mercury	mg/kg							
Nickel	mg/kg	5.0	5.8					
Silver	mg/kg							
Zinc	mg/kg	14	34					
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	13	27	23	14	24	20	43
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg				260			
Benzo(a)pyrene	ug/kg				220			
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049	SB-050
	Sample ID	1273816	1273819	1273858	1273860	1273825	1273826	1273827
	Sample Date	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:15	14:24	14:24	11:40	14:18	15:10
	Sample Depth	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25	13A0687-26
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg				250			
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg			190	280			
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg				270			
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg			210	380			
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-051	SB-053	SB-055	SB-056	SB-058	SB-059	SB-059
	Sample ID	1273859	1273856	1273861	1273862	1273870	1273854	1273855
	Sample Date	01/28/2013	01/28/2013	01/29/2013	01/29/2013	01/29/2013	01/28/2013	01/28/2013
	Sample Time	15:20	12:00	10:30	11:05	15:29	11:13	11:13
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-10	13A0744-07	13A0745-01	13A0745-02	13A0745-10	13A0744-05	13A0744-06
Constituent	Units							
Date Metals Analyzed	-			02/02/2013	02/02/2013	02/02/2013	02/02/2013	02/02/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/06/2013	02/06/2013			02/05/2013	02/06/2013	02/06/2013
Date Semivolatile Organics Analyzed	-		02/04/2013			02/04/2013		
Arsenic	mg/kg							
Barium	mg/kg			31	89	93	31	50
Cadmium	mg/kg					0.98		
Chromium, Total	mg/kg			21	24	19	6.6	10
Copper	mg/kg			32	19	260	5.6	5.8
Lead	mg/kg			5.8	9.4	120	10	7.9
Mercury	mg/kg					0.17		
Nickel	mg/kg			14	16	8.5	3.5	6.9
Silver	mg/kg					0.70	0.56	
Zinc	mg/kg			26	26	280	26	26
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							1.1
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	15	12			240	30	140
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg					740		
Benzo[b]fluoranthene	ug/kg					950		
Benzo(a)pyrene	ug/kg					770		
Benzo(g,h,i)perylene	ug/kg					340		

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-051	SB-053	SB-055	SB-056	SB-058	SB-059	SB-059
	Sample ID	1273859	1273856	1273861	1273862	1273870	1273854	1273855
	Sample Date	01/28/2013	01/28/2013	01/29/2013	01/29/2013	01/29/2013	01/28/2013	01/28/2013
	Sample Time	15:20	12:00	10:30	11:05	15:29	11:13	11:13
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-10	13A0744-07	13A0745-01	13A0745-02	13A0745-10	13A0744-05	13A0744-06
Constituent	Units							
Benzo(k)fluoranthene	ug/kg					330		
Carbazole	ug/kg							
Chrysene	ug/kg					920		
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg					1100		
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg					520		
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg					1000		
Pyrene	ug/kg		180			1300		
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-061	SB-062	SB-062	SB-063	SB-063	SB-063	SB-063
	Sample ID	1273853	1273846	1273849	1273835	1273836	1273837	1273838
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	10:15	12:01	14:20	10:51	10:55	11:01	11:07
	Sample Depth	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-04	13A0744-28	13A0744-31	13A0744-17	13A0744-18	13A0744-19	13A0744-20
Constituent	Units							
Date Metals Analyzed	-	02/01/2013	02/02/2013	02/02/2013				
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		02/05/2013		02/06/2013	02/06/2013	02/06/2013	02/06/2013
Date Semivolatile Organics Analyzed	-				02/04/2013	02/04/2013	02/04/2013	02/04/2013
Arsenic	mg/kg							
Barium	mg/kg	33	14	120				
Cadmium	mg/kg							
Chromium, Total	mg/kg	8.4	5.3	4.8				
Copper	mg/kg	5.5	5.9	3.1				
Lead	mg/kg	7.5	3.3	3.6				
Mercury	mg/kg							
Nickel	mg/kg	4.5	2.8	2.0				
Silver	mg/kg			0.57				
Zinc	mg/kg	18	11	40				
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		15		270	55	45	40
Acenaphthylene	ug/kg				240			
Benzo[a]anthracene	ug/kg				530	320	280	
Benzo[b]fluoranthene	ug/kg				860	390	340	
Benzo(a)pyrene	ug/kg				550	330	320	
Benzo(g,h,i)perylene	ug/kg				230	250	250	

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-061	SB-062	SB-062	SB-063	SB-063	SB-063	SB-063
	Sample ID	1273853	1273846	1273849	1273835	1273836	1273837	1273838
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	10:15	12:01	14:20	10:51	10:55	11:01	11:07
	Sample Depth	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'	2' - 4'	4' - 6'	6' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-04	13A0744-28	13A0744-31	13A0744-17	13A0744-18	13A0744-19	13A0744-20
Constituent	Units							
Benzo(k)fluoranthene	ug/kg				330			
Carbazole	ug/kg							
Chrysene	ug/kg				690	420	340	
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg				1200	510	400	250
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg				290	360	360	
Naphthalene	ug/kg							
Naphthalene	ug/kg							250
Phenanthrene	ug/kg				640	530	250	540
Pyrene	ug/kg				760	780	600	270
Acenaphthene	ug/kg							210
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-300	SB-300	SB-301	SB-301	SB-302	SB-302	SB-302
	Sample ID	1287289	1287290	1287291	1287292	1287293	1287294	1287294
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:10	11:12	11:50	11:55	12:15	12:20	12:20
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-01	13H1007-02	13H1007-03	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/28/2013	08/28/2013	08/28/2013	08/30/2013	08/28/2013		08/30/2013
Date Semivolatile Organics Analyzed	-						09/03/2013	
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	62	18	47	21	62		47
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-300	SB-300	SB-301	SB-301	SB-302	SB-302	SB-302
	Sample ID	1287289	1287290	1287291	1287292	1287293	1287294	1287294
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:10	11:12	11:50	11:55	12:15	12:20	12:20
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-01	13H1007-02	13H1007-03	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg						210	
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg						290	
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-303	SB-303	SB-304	SB-305	SB-306	SB-306	SB-306
	Sample ID	1287295	1287295	1287297	1287302	1287299	1287300	1287301
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	12:38	12:38	13:15	14:44	14:10	14:15	14:25
	Sample Depth	0' - 4'	0' - 4'	0' - 4'	0' - 4'	0' - 2'	2' - 4'	4' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-07	13H1007-07RE1	13H1007-09	13H1007-14	13H1007-11	13H1007-12	13H1007-13RE1
Constituent	Units							
Date Metals Analyzed	-	08/28/2013		08/28/2013	08/28/2013			
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							08/29/2013
Date Physical Analyzed	-		08/30/2013	08/30/2013	08/28/2013	08/28/2013	08/28/2013	
Date Semivolatile Organics Analyzed	-			09/03/2013	09/03/2013			
Arsenic	mg/kg	11			3.7			
Barium	mg/kg	45		71	110			
Cadmium	mg/kg	0.41						
Chromium, Total	mg/kg	11		13	19			
Copper	mg/kg	21		8.8	14			
Lead	mg/kg	41		74	30			
Mercury	mg/kg	0.32		0.044	0.087			
Nickel	mg/kg	7		6.5	8			
Silver	mg/kg							
Zinc	mg/kg	44		110	44			
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							20
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		100	190	110	47	17	
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg			720	730			
Benzo[b]fluoranthene	ug/kg			800	920			
Benzo(a)pyrene	ug/kg			650	720			
Benzo(g,h,i)perylene	ug/kg			280	370			

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-303	SB-303	SB-304	SB-305	SB-306	SB-306	SB-306
	Sample ID	1287295	1287295	1287297	1287302	1287299	1287300	1287301
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	12:38	12:38	13:15	14:44	14:10	14:15	14:25
	Sample Depth	0' - 4'	0' - 4'	0' - 4'	0' - 4'	0' - 2'	2' - 4'	4' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-07	13H1007-07RE1	13H1007-09	13H1007-14	13H1007-11	13H1007-12	13H1007-13RE1
Constituent	Units							
Benzo(k)fluoranthene	ug/kg			320	320			
Carbazole	ug/kg							
Chrysene	ug/kg			830	950			
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg			1100	1400			
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg			330	410			
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg			400	1600			
Pyrene	ug/kg			1500	2200			
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-307	SB-307	SB-308	SB-308	SB-309	SB-309	SB-310
	Sample ID	1287304	1287305	1287307	1287308	1287309	1287310	1287312
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:05	15:10	15:25	15:30	10:05	10:10	10:35
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-16	13H1007-17RE1	13H1007-19	13H1007-20RE1	13H1034-01	13H1034-02	13H1034-04
Constituent	Units							
Date Metals Analyzed	-					08/29/2013	08/29/2013	08/29/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/28/2013	08/30/2013	08/28/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-					08/30/2013	08/30/2013	08/30/2013
Arsenic	mg/kg							
Barium	mg/kg					51	46	50
Cadmium	mg/kg					0.42	0.29	0.27
Chromium, Total	mg/kg					13	7.9	7.2
Copper	mg/kg					17	14	14
Lead	mg/kg					66	80	51
Mercury	mg/kg					0.07	0.17	0.034
Nickel	mg/kg					7.3	5.2	4.6
Silver	mg/kg							
Zinc	mg/kg					69	84	56
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	39	40	62	97	710	750	430
Acenaphthylene	ug/kg						1300	
Benzo[a]anthracene	ug/kg					2400	7200	
Benzo[b]fluoranthene	ug/kg					2800	7300	870
Benzo(a)pyrene	ug/kg					2200	6200	
Benzo(g,h,i)perylene	ug/kg					1500	3100	

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-307	SB-307	SB-308	SB-308	SB-309	SB-309	SB-310
	Sample ID	1287304	1287305	1287307	1287308	1287309	1287310	1287312
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:05	15:10	15:25	15:30	10:05	10:10	10:35
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-16	13H1007-17RE1	13H1007-19	13H1007-20RE1	13H1034-01	13H1034-02	13H1034-04
Constituent	Units							
Benzo(k)fluoranthene	ug/kg					1100	2700	
Carbazole	ug/kg							
Chrysene	ug/kg					3000	8000	800
Dibenz(a,h)anthracene	ug/kg						900	
Fluoranthene	ug/kg					5000	13000	900
Fluorene	ug/kg					870	1000	
Indeno(1,2,3-c,d)pyrene	ug/kg					1600	3500	
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg					5500	9000	
Pyrene	ug/kg					6600	16000	1200
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg					810	1500	
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-310	SB-311	SB-311	SB-312	SB-312A	SB-312A	SB-313
	Sample ID	1287313	1287314	1287315	1287342	1287316	1287317	1287319
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	10:40	11:10	11:20	15:20	11:35	14:50	12:10
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	8' - 10'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-05	13H1034-06	13H1034-07	13H1103-23	13H1034-08	13H1034-09	13H1034-11
Constituent	Units							
Date Metals Analyzed	-	08/29/2013	08/29/2013	08/29/2013		08/29/2013	08/29/2013	08/29/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/30/2013	08/30/2013	09/03/2013	08/30/2013	08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	08/30/2013	09/04/2013	08/30/2013		08/30/2013
Arsenic	mg/kg		3.5					
Barium	mg/kg	34	48	47		45	42	53
Cadmium	mg/kg	0.66	0.4	0.39				
Chromium, Total	mg/kg	9.7	11	10		8.3	11	11
Copper	mg/kg	42	16	12		13	8.7	12
Lead	mg/kg	31	46	30		35	27	41
Mercury	mg/kg	0.035	0.036	0.077			0.049	0.049
Nickel	mg/kg	4.9	6.6	5.9		5.9	4.8	6.4
Silver	mg/kg							
Zinc	mg/kg	97	53	55		40	31	56
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	76	78	32	44	920	23	180
Acenaphthylene	ug/kg					1300		1300
Benzo[a]anthracene	ug/kg	1000	610			6400		7000
Benzo[b]fluoranthene	ug/kg	1100	780	340		7700		7400
Benzo(a)pyrene	ug/kg	930	560	210		6300		6200
Benzo(g,h,i)perylene	ug/kg	730		230		2800		2700

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-310	SB-311	SB-311	SB-312	SB-312A	SB-312A	SB-313
	Sample ID	1287313	1287314	1287315	1287342	1287316	1287317	1287319
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	10:40	11:10	11:20	15:20	11:35	14:50	12:10
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	8' - 10'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-05	13H1034-06	13H1034-07	13H1103-23	13H1034-08	13H1034-09	13H1034-11
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	440				3100		2600
Carbazole	ug/kg	240						730
Chrysene	ug/kg	1000	760	260		6900		7300
Dibenz(a,h)anthracene	ug/kg					910		870
Fluoranthene	ug/kg	2500	1100	220	240	9800		11000
Fluorene	ug/kg							1100
Indeno(1,2,3-c,d)pyrene	ug/kg	770		220		3000		3000
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	1800	810			4400		8600
Pyrene	ug/kg	2400	1600	310		12000		15000
Acenaphthene	ug/kg							470
Acetone	ug/kg							
Anthracene	ug/kg	440				940		1800
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-313	SB-313	SB-313	SB-314A	SB-314A
	Sample ID	1287319	1287355	1287355	1287321	1287320	1287322	1287354
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:10	12:10	12:10	12:20	12:30	13:20	13:21
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-11RE1	13H1034-12	13H1034-12RE1	13H1034-14	13I0179-01	13H1034-15	13H1034-16
Constituent	Units							
Date Metals Analyzed	-		08/29/2013		08/29/2013			
Date Organics Analyzed	-		08/29/2013		08/29/2013			
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		08/30/2013		09/03/2013	09/11/2013	08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-	09/03/2013	08/30/2013	09/04/2013	08/30/2013	09/11/2013	08/30/2013	08/30/2013
Arsenic	mg/kg				3.2			
Barium	mg/kg		57		74			
Cadmium	mg/kg		0.34		0.55			
Chromium, Total	mg/kg		13		12			
Copper	mg/kg		12		19			
Lead	mg/kg		27		110			
Mercury	mg/kg				0.072			
Nickel	mg/kg		6.8		5.3			
Silver	mg/kg							
Zinc	mg/kg		41		120			
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		910		130	790	58	260
Acenaphthylene	ug/kg	1300	2500				210	390
Benzo[a]anthracene	ug/kg	7000	17000	20000	240	1600	1000	1800
Benzo[b]fluoranthene	ug/kg	7600	16000	18000	370	2000	1300	2200
Benzo(a)pyrene	ug/kg	6300	13000	17000	260	1400	1100	1700
Benzo(g,h,i)perylene	ug/kg	2600	5800	6100	210	540	670	750

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-313	SB-313	SB-313	SB-314A	SB-314A
	Sample ID	1287319	1287355	1287355	1287321	1287320	1287322	1287354
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:10	12:10	12:10	12:20	12:30	13:20	13:21
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	2' - 4'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-11RE1	13H1034-12	13H1034-12RE1	13H1034-14	13I0179-01	13H1034-15	13H1034-16
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	2700	5900	6900		800	440	800
Carbazole	ug/kg		1400					
Chrysene	ug/kg	7400	18000	21000	360	1700	1300	2100
Dibenz(a,h)anthracene	ug/kg	840	1900				210	
Fluoranthene	ug/kg	13000	28000	38000	510	3000	1900	2900
Fluorene	ug/kg	1100	2800					
Indeno(1,2,3-c,d)pyrene	ug/kg	2900	6300	7200	240	600	740	830
Naphthalene	ug/kg		3.3					
Naphthalene	ug/kg							
Phenanthrene	ug/kg	8900	21000	25000	370	2100	990	1300
Pyrene	ug/kg	16000	36000	35000	670	3500	2500	3600
Acenaphthene	ug/kg		1000					
Acetone	ug/kg				330			
Anthracene	ug/kg	1800	4100	4400				
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg				72			
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg		820					
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-314A	SB-315A	SB-316A	SB-316A	SB-317	SB-317	SB-318
	Sample ID	1287323	1287360	1287363	1287364	1287403	1287404	1287330
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:25	13:40	14:10	14:20	11:55	12:00	13:10
	Sample Depth	2' - 4'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-17	13H1034-19	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11
Constituent	Units							
Date Metals Analyzed	-			08/29/2013	08/29/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	09/03/2013	09/03/2013	
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	08/30/2013	09/03/2013	09/05/2013	09/05/2013	
Arsenic	mg/kg							
Barium	mg/kg			37	52	58	61	22
Cadmium	mg/kg				0.31			
Chromium, Total	mg/kg			8.9	8.3	14	11	5.7
Copper	mg/kg			11	12	11	7.5	4.7
Lead	mg/kg			23	32	34	19	2.4
Mercury	mg/kg				0.069	0.057	0.030	
Nickel	mg/kg			6.2	4.2	7.0	5.0	2.5
Silver	mg/kg							
Zinc	mg/kg			34	58	63	35	11
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	210	79	150	56	220	50	
Acenaphthylene	ug/kg	300						
Benzo[a]anthracene	ug/kg	1100	450	740		280	290	
Benzo[b]fluoranthene	ug/kg	1600	720	1100		520	450	
Benzo(a)pyrene	ug/kg	1300	580	900		360	330	
Benzo(g,h,i)perylene	ug/kg	870	460	730		200	220	

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-314A	SB-315A	SB-316A	SB-316A	SB-317	SB-317	SB-318
	Sample ID	1287323	1287360	1287363	1287364	1287403	1287404	1287330
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:25	13:40	14:10	14:20	11:55	12:00	13:10
	Sample Depth	2' - 4'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-17	13H1034-19	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	610	280	390				
Carbazole	ug/kg							
Chrysene	ug/kg	1700	490	830		370	410	
Dibenz(a,h)anthracene	ug/kg	210		210				
Fluoranthene	ug/kg	2400	660	1400	220	520	690	
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg	960	460	740		210	210	
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	1400	590	970		260	450	
Pyrene	ug/kg	3200	880	1600	250	610	810	
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-318	SB-322	SB-322	SB-324	SB-324	SB-325	SB-325
	Sample ID	1287331	1287335	1287336	1287374	1287375	1287400	1287401
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:15	14:05	14:10	11:00	11:05	11:20	11:25
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-12	13H1103-16	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05
Constituent	Units							
Date Metals Analyzed	-	08/30/2013						
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg	19						
Cadmium	mg/kg							
Chromium, Total	mg/kg	5.5						
Copper	mg/kg	5.6						
Lead	mg/kg	2.3						
Mercury	mg/kg							
Nickel	mg/kg	2.8						
Silver	mg/kg							
Zinc	mg/kg	9.8						
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		22	14	14	13	13	17
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-318	SB-322	SB-322	SB-324	SB-324	SB-325	SB-325
	Sample ID	1287331	1287335	1287336	1287374	1287375	1287400	1287401
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:15	14:05	14:10	11:00	11:05	11:20	11:25
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-12	13H1103-16	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-326	SB-326	SB-327	SB-327	SB-328	SB-328	SB-329
	Sample ID	1287366	1287367	1287368	1287369	1287370	1287371	1287408
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013
	Sample Time	14:35	14:45	15:00	15:15	15:30	15:35	12:10
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-25	13H1034-26	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11
Constituent	Units							
Date Metals Analyzed	-	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/30/2013	08/30/2013	
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							09/04/2013
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg							
Barium	mg/kg	68	20	140	67	48	110	
Cadmium	mg/kg	0.38			0.4	0.31	0.35	
Chromium, Total	mg/kg	9.1	7.2	11	10	15	16	
Copper	mg/kg	17	6.4	8.9	17	13	16	
Lead	mg/kg	190	13	33	82	11	8.1	
Mercury	mg/kg	0.3		0.027	0.11	0.03		
Nickel	mg/kg	4.3	4.1	4.7	6.3	7.7	6.8	
Silver	mg/kg							
Zinc	mg/kg	67	53	67	110	30	29	
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							66
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-326	SB-326	SB-327	SB-327	SB-328	SB-328	SB-329
	Sample ID	1287366	1287367	1287368	1287369	1287370	1287371	1287408
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013
	Sample Time	14:35	14:45	15:00	15:15	15:30	15:35	12:10
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-25	13H1034-26	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-329	SB-330	SB-330	SB-331	SB-331	SB-332	SB-333
	Sample ID	1287409	1287372	1287373	1287410	1287411	1287338	1287447
	Sample Date	08/29/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/30/2013
	Sample Time	12:20	15:45	15:50	12:30	12:40	14:35	10:25
	Sample Depth	2' - 3'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1143-12	13H1034-31	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1191-13
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-				08/30/2013			
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/04/2013	08/30/2013	08/30/2013	09/04/2013	09/04/2013	09/03/2013	09/05/2013
Date Semivolatile Organics Analyzed	-							09/06/2013
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	35	39	25	190 MS	45	11	180
Acenaphthylene	ug/kg							200
Benzo[a]anthracene	ug/kg							1600
Benzo[b]fluoranthene	ug/kg							2100
Benzo(a)pyrene	ug/kg							1600
Benzo(g,h,i)perylene	ug/kg							670

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-329	SB-330	SB-330	SB-331	SB-331	SB-332	SB-333
	Sample ID	1287409	1287372	1287373	1287410	1287411	1287338	1287447
	Sample Date	08/29/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/30/2013
	Sample Time	12:20	15:45	15:50	12:30	12:40	14:35	10:25
	Sample Depth	2' - 3'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1143-12	13H1034-31	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1191-13
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							820
Carbazole	ug/kg							
Chrysene	ug/kg							1700
Dibenz(a,h)anthracene	ug/kg							220
Fluoranthene	ug/kg							2100
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							770
Naphthalene	ug/kg				9.9			
Naphthalene	ug/kg							
Phenanthrene	ug/kg							930
Pyrene	ug/kg							2400
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339
	Sample ID	1287448	1287448	1287449	1287450	1287450	1287451	1287455
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:30	10:35	10:40	10:40	12:20	12:20
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/05/2013		09/05/2013	09/05/2013		09/05/2013	09/05/2013
Date Semivolatile Organics Analyzed	-	09/06/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013		09/06/2013
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	300		21	240		18	25
Acenaphthylene	ug/kg	610			1000			
Benzo[a]anthracene	ug/kg	5600	5700		4600	4900		
Benzo[b]fluoranthene	ug/kg	6500	5500	310	4600	4400		
Benzo(a)pyrene	ug/kg	4700	4600		3500	3900		
Benzo(g,h,i)perylene	ug/kg	1400	3100		1000	2300		

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339
	Sample ID	1287448	1287448	1287449	1287450	1287450	1287451	1287455
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:30	10:35	10:40	10:40	12:20	12:20
	Sample Depth	2' - 4'	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05
Constituent	Units							
Benzo(k)fluoranthene	ug/kg	2400	2000		1800			
Carbazole	ug/kg	340			490			
Chrysene	ug/kg	5800	5800	300	5000	5400		
Dibenz(a,h)anthracene	ug/kg	510	990		350			
Fluoranthene	ug/kg	10000	12000	390	9100	13000		
Fluorene	ug/kg	1100			2600	3100		
Indeno(1,2,3-c,d)pyrene	ug/kg	1700	3200		1200	2500		
Naphthalene	ug/kg							
Naphthalene	ug/kg	300			310			
Phenanthrene	ug/kg	7800	7900		14000	16000		
Pyrene	ug/kg	11000	14000	470	9600	13000		200
Acenaphthene	ug/kg	390			1000			
Acetone	ug/kg							
Anthracene	ug/kg	1600	1600		2500	2600		
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg				750			
2-Methylnaphthalene	ug/kg	370			580			
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-339	SB-350	SB-350	SB-351	SB-353
	Sample ID	1287452	1287453	1287454	1287345	1287398	1287325	1287327
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:25	12:30	12:35	11:24	11:35	10:10	11:00
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-08	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-08
Constituent	Units							
Date Metals Analyzed	-				08/30/2013	09/03/2013		
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/05/2013	09/05/2013	09/05/2013	09/04/2013		09/04/2013	09/04/2013
Date Semivolatile Organics Analyzed	-							09/05/2013
Arsenic	mg/kg				6.4			
Barium	mg/kg				43	24		
Cadmium	mg/kg					0.30		
Chromium, Total	mg/kg				12	15		
Copper	mg/kg				11	21		
Lead	mg/kg				11	4.9		
Mercury	mg/kg				0.18	0.17		
Nickel	mg/kg				6.0	5.3		
Silver	mg/kg							
Zinc	mg/kg				17	18		
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	36	18	12	22		15	450
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							200
Benzo[b]fluoranthene	ug/kg							200
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-339	SB-350	SB-350	SB-351	SB-353
	Sample ID	1287452	1287453	1287454	1287345	1287398	1287325	1287327
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:25	12:30	12:35	11:24	11:35	10:10	11:00
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-08	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-08
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							360
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg							250
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							290
Phenanthrene	ug/kg							880
Pyrene	ug/kg							280
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							750
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013		01/31/2013		01/31/2013	
Date Semivolatile Organics Analyzed	-	01/29/2013		01/30/2013		01/29/2013		01/30/2013
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		66		120		180	
Acenaphthylene	ug/kg			300				460
Benzo[a]anthracene	ug/kg	210		680		630		1200
Benzo[b]fluoranthene	ug/kg	380		940		1200		1400
Benzo(a)pyrene	ug/kg	260		720		790		1200
Benzo(g,h,i)perylene	ug/kg			500		300		960

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Benzo(k)fluoranthene	ug/kg			380		390		550
Carbazole	ug/kg							
Chrysene	ug/kg	340		950		1000		1400
Dibenz(a,h)anthracene	ug/kg							270
Fluoranthene	ug/kg	430		1500		1200		1900
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg	240		510		450		1000
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg	320		1200		1100		1200
Pyrene	ug/kg	410		1400		1200		2800
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Date Metals Analyzed	-						01/30/2013	01/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	01/31/2013		01/31/2013		01/31/2013		
Date Semivolatile Organics Analyzed	-		01/29/2013	01/30/2013	01/29/2013			
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg						11	470
Mercury	mg/kg							
Nickel	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	160		450		390		
Acenaphthylene	ug/kg		2600	3100	430			
Benzo[a]anthracene	ug/kg		9400	10000	2400			
Benzo[b]fluoranthene	ug/kg		9900	11000	3000			
Benzo(a)pyrene	ug/kg		7300	8400	2200			
Benzo(g,h,i)perylene	ug/kg		2100		870			

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Benzo(k)fluoranthene	ug/kg		3600	4100	1000			
Carbazole	ug/kg							
Chrysene	ug/kg		9800	11000	2600			
Dibenz(a,h)anthracene	ug/kg		880		350			
Fluoranthene	ug/kg		18000 E	22000	4400			
Fluorene	ug/kg		4000	4800	380			
Indeno(1,2,3-c,d)pyrene	ug/kg		2500	3600	1100			
Naphthalene	ug/kg							
Naphthalene	ug/kg		1200					
Phenanthrene	ug/kg		28000 E	33000	3600			
Pyrene	ug/kg		13000 E	14000	3400			
Acenaphthene	ug/kg		1200					
Acetone	ug/kg							
Anthracene	ug/kg		4000	4800	580			
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg		1400					
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-18	SS-19	SS-21	SS-300	SS-301
	Sample ID	1273785	1273786	1273788	1273789	1273791	1287377	1287378
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	08/28/2013	08/28/2013
	Sample Time	13:45	13:52	14:06	14:15	14:45	11:45	11:55
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-05	13A0643-04	13A0643-02	13H1103-25	13H1103-26
Constituent	Units							
Date Metals Analyzed	-	01/30/2013	01/29/2013	01/30/2013	01/30/2013	01/29/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-		01/31/2013					
Date Pesticides/Herbicides Analyzed	-					01/28/2013	09/03/2013	09/03/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-		01/28/2013					
Arsenic	mg/kg						4.2	3.7
Barium	mg/kg		46				61	45
Cadmium	mg/kg		0.29				0.53	
Chromium, Total	mg/kg		13				22	28
Copper	mg/kg		20				15	10
Lead	mg/kg	15	260	730	570	21	54	31
Mercury	mg/kg		0.048				0.19	0.071
Nickel	mg/kg		6.9				9.9	6.3
Silver	mg/kg							
Zinc	mg/kg		73				68	61
Chlordane	ug/kg					210	66000	11000 V-
Dieldrin	ug/kg							
4,4-DDT	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg					39		
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg		210					
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-18	SS-19	SS-21	SS-300	SS-301
	Sample ID	1273785	1273786	1273788	1273789	1273791	1287377	1287378
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	08/28/2013	08/28/2013
	Sample Time	13:45	13:52	14:06	14:15	14:45	11:45	11:55
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-05	13A0643-04	13A0643-02	13H1103-25	13H1103-26
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg		250					
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg		290					
Acenaphthene	ug/kg							
Acetone	ug/kg		22000					
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-302	SS-303	SS-304	SS-305	SS-306	SS-307	SS-308
	Sample ID	1287379	1287380	1287381	1287386	1287387	1287388	1287389
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	12:00	12:05	12:15	13:00	13:15	13:20	13:25
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31	13H1103-32	13H1103-33
Constituent	Units							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	09/03/2013	09/03/2013		09/03/2013	09/03/2013	09/03/2013	09/03/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg		5.1	3.3		6.1	8.3	3.8
Barium	mg/kg	36	170	52	44	240	260	61
Cadmium	mg/kg		1.3	0.41	0.62	2.5	4.3	0.57
Chromium, Total	mg/kg	14	19	11	16	25	34	15
Copper	mg/kg	17	150	47	25	2100	3300	120
Lead	mg/kg	230	2000	330	44	2500	10000	300
Mercury	mg/kg		0.27	0.062	0.089	0.19	0.16	0.047
Nickel	mg/kg	7.8	11	5.9	7.6	9.8	6.8	7.1
Silver	mg/kg							
Zinc	mg/kg	270	920	250	320	1800	1400	210
Chlordane	ug/kg	73 V-	53 V-			38		
Dieldrin	ug/kg				21			
4,4-DDT	ug/kg	48	22			11	7.9	5.0
4,4-DDD	ug/kg							
4,4-DDE	ug/kg						6.1	
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-302	SS-303	SS-304	SS-305	SS-306	SS-307	SS-308
	Sample ID	1287379	1287380	1287381	1287386	1287387	1287388	1287389
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	12:00	12:05	12:15	13:00	13:15	13:20	13:25
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31	13H1103-32	13H1103-33
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-309	SS-310	SS-311	SS-312	SS-313	SS-314	SS-315
	Sample ID	1287390	1287391	1287392	1287393	1287382	1287383	1287384
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:35	13:40	14:00	14:05	14:10	14:15	14:20
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38	13H1103-39	13H1103-40
Constituent	Units							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	09/03/2013	09/03/2013	09/03/2013			09/03/2013	09/03/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg	6.4	3.2	3.8	5.0	6.1	15	4.5
Barium	mg/kg	74	33	53	41	55	75	64
Cadmium	mg/kg	1.6	0.51	1.7	1.1	1.6	1.5	1.2
Chromium, Total	mg/kg	13	12	15	14	18	19	16
Copper	mg/kg	79	100	350	300	330	200	320
Lead	mg/kg	410	530	1800	1200	530	840	480
Mercury	mg/kg	0.057	0.27	0.12	0.052	0.11	0.085	0.20
Nickel	mg/kg	6.9	6.4	9.4	7.5	9.8	10	8.2
Silver	mg/kg							
Zinc	mg/kg	580	57	1000	400	570	550	850
Chlordane	ug/kg							
Dieldrin	ug/kg							
4,4-DDT	ug/kg	100	7.4	9.1			8.0	7.3
4,4-DDD	ug/kg							
4,4-DDE	ug/kg	55						
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Acenaphthylene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-309	SS-310	SS-311	SS-312	SS-313	SS-314	SS-315
	Sample ID	1287390	1287391	1287392	1287393	1287382	1287383	1287384
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:35	13:40	14:00	14:05	14:10	14:15	14:20
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38	13H1103-39	13H1103-40
Constituent	Units							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg							
Pyrene	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-316	SS-317	SS-318	SS-318	SS-319	Test Pit 1	Test Pit 2
	Sample ID	1287394	1287395	1287396	1287406	1287397	1287349	1287350
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/29/2013	08/29/2013
	Sample Time	14:40	14:45	15:00	15:00	16:00	08:30	08:50
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	13'	13'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45	13H1143-02	13H1143-03
Constituent	Units							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	09/03/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-			09/03/2013	09/03/2013	08/31/2013		
Date Physical Analyzed	-						09/04/2013	09/04/2013
Date Semivolatile Organics Analyzed	-						09/05/2013	09/05/2013
Arsenic	mg/kg			3.6	4.1	4.5		
Barium	mg/kg	28	42	66	71	60	32	36
Cadmium	mg/kg	0.42	0.50	0.73	0.79	1.2		
Chromium, Total	mg/kg	14	15	16	16	75	9.3	12
Copper	mg/kg	21	18	140	180	21	12	12
Lead	mg/kg	1100	660	1100	1700	31	6.0	14
Mercury	mg/kg	0.16	0.11	0.070	0.099	0.42		
Nickel	mg/kg	8.6	8.5	7.9	8.1	10	5.5	6.5
Silver	mg/kg							
Zinc	mg/kg	61	69	460	500	53	24	30
Chlordane	ug/kg			28	37	350000		
Dieldrin	ug/kg							
4,4-DDT	ug/kg			8.3 P-	8.7 P-			
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Cyanide	mg/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg						82	410
Acenaphthylene	ug/kg							2000
Benzo[a]anthracene	ug/kg						600	7800
Benzo[b]fluoranthene	ug/kg						780	9400
Benzo(a)pyrene	ug/kg						600	7500
Benzo(g,h,i)perylene	ug/kg						330	3600

Table 6-1
CONSTITUENTS DETECTED IN SOIL
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-316	SS-317	SS-318	SS-318	SS-319	Test Pit 1	Test Pit 2
	Sample ID	1287394	1287395	1287396	1287406	1287397	1287349	1287350
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/29/2013	08/29/2013
	Sample Time	14:40	14:45	15:00	15:00	16:00	08:30	08:50
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	13'	13'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45	13H1143-02	13H1143-03
Constituent	Units							
Benzo(k)fluoranthene	ug/kg						300	3400
Carbazole	ug/kg							
Chrysene	ug/kg						670	8500
Dibenz(a,h)anthracene	ug/kg							
Fluoranthene	ug/kg						860	16000
Fluorene	ug/kg							1800
Indeno(1,2,3-c,d)pyrene	ug/kg						370	3900
Naphthalene	ug/kg							
Naphthalene	ug/kg							
Phenanthrene	ug/kg						320	13000
Pyrene	ug/kg						1100	16000
Acenaphthene	ug/kg							
Acetone	ug/kg							
Anthracene	ug/kg							2400
1,2,4-Trimethylbenzene	ug/kg							
Ethylbenzene	ug/kg							
2-Butanone (MEK)	ug/kg							
Dibenzofuran	ug/kg							
2-Methylnaphthalene	ug/kg							
Toluene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
Date PCBs Analyzed	-	01/29/2013		01/29/2013		01/31/2013	01/31/2013	
Date Metals Analyzed	-	01/29/2013		01/29/2013		01/29/2013	01/29/2013	
Date Organics Analyzed	-	01/29/2013		01/29/2013		01/30/2013	01/30/2013	02/01/2013
Date Pesticides/Herbicides Analyzed	-					01/30/2013		
Date Physical Analyzed	-		01/31/2013		01/31/2013	01/30/2013	01/30/2013	02/06/2013
Date Semivolatile Organics Analyzed	-	01/30/2013		01/29/2013		01/29/2013	01/29/2013	02/04/2013
Alachlor	ug/kg					<24		
2,4,5-Trichlorophenoxyacetic acid	ug/kg					<3.0		
2,4-D	ug/kg					<30		
Dicamba	ug/kg					<3.0		
Dalapon	ug/kg					<74		
Silvex	ug/kg					<3.0		
Arsenic	mg/kg	<2.9		<2.6		<3.0	<2.9	
Barium	mg/kg	61		23		63	18	
Cadmium	mg/kg	<0.29		<0.26		<0.30	<0.29	
Chromium, Total	mg/kg	14		5.0		13	8.4	
Copper	mg/kg	14		3.8		12	8.0	
Lead	mg/kg	170		2.1		26	3.6	
Mercury	mg/kg	0.10		<0.027		0.12	<0.030	
Nickel	mg/kg	6.6		2.7		7.6	4.4	
Selenium	mg/kg	<5.9		<5.3		<5.9	<5.7	
Silver	mg/kg	<0.59		<0.53		<0.59	<0.57	
Zinc	mg/kg	77		10		44	25	
Arochlor 1016	ug/kg	<120		<110		<120	<120	
Arochlor 1221	ug/kg	<120		<110		<120	<120	
Arochlor 1232	ug/kg	<120		<110		<120	<120	
Arochlor 1242	ug/kg	<120		<110		<120	<120	
Arochlor 1248	ug/kg	<120		<110		<120	<120	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
Arochlor 1254	ug/kg	<120		<110		<120	<120	
Arochlor 1260	ug/kg	<120		<110		<120	<120	
Arochlor 1262	ug/kg	<120		<110		<120	<120	
Arochlor 1268	ug/kg	<120		<110		<120	<120	
Aldrin	ug/kg					<5.9		
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg					<7.1		
Chlordane	ug/kg					<24		
alpha-Hexachlorocyclohexane	ug/kg					<5.9		
beta-Hexachlorocyclohexane	ug/kg					<5.9		
delta-Hexachlorocyclohexane	ug/kg					<5.9		
Lindane	ug/kg					<2.4		
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg					<4.7		
Endrin	ug/kg					<9.4		
Endrin aldehyde	ug/kg					<9.4		
Endrin ketone	ug/kg					<9.4		
4,4-DDT	ug/kg					<4.7		
Methoxychlor	ug/kg					<59		
4,4-DDD	ug/kg					<4.7		
4,4-DDE	ug/kg					<4.7		
Heptachlor Epoxide	ug/kg					<5.9		
Heptachlor	ug/kg					<5.9		
Endosulfan Sulfate	ug/kg					<9.4		
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg					<5.9		
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg					<9.4		
Toxaphene	ug/kg					<120		
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		32		<11	81	<24	25
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<200		<190		<200	<210	<190
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<200		<190		280	<210	<190
Benzo[b]fluoranthene	ug/kg	<200		<190		450	<210	<190
Benzo(a)pyrene	ug/kg	<200		<190		290	<210	<190
Benzo(g,h,i)perylene	ug/kg	<200		<190		<200	<210	<190
Benzo(k)fluoranthene	ug/kg	<200		<190		<200	<210	<190
Carbazole	ug/kg							
Chrysene	ug/kg	<200		<190		340	<210	<190
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<200		<190		<200	<210	<190
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<200		<190		630	<210	<190
Fluorene	ug/kg	<200		<190		<200	<210	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	<200		<190		270	<210	<190
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
Naphthalene	ug/kg	<200		<190		<200	<210	<190
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<200		<190		320	<210	<190
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<200		<190		540	<210	<190
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Acenaphthene	ug/kg	<200		<190		<200	<210	<190
Acetone	ug/kg	<100		<81		<100	<110	<120
Acrylonitrile	ug/kg	<6.1		<4.9		<6.3	<6.7	<7.3

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
Anthracene	ug/kg	<200		<190		<200	<210	<190
Benzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,2,3-Trichlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,2,4-Trichlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,2-Dichlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,3,5-Trimethylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,3-Dichlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,4-Dichlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Bromobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Chlorobenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Ethylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Isopropylbenzene (Cumene)	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
sec-Butylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
tert-Butylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Hexachlorobutadiene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<41		<32		<42	<45	<49
trans-1,4-Dichlorobutene	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
Carbon Disulfide	ug/kg	<6.1		<4.9		<6.3	<6.7	<7.3
Carbon Tetrachloride	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<20		<16		<21	<22	<24
1,1,1,2-Tetrachloroethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,1,1-Trichloroethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,1,2,2-Tetrachloroethane	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
1,1,2-Trichloroethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<10		<8.1		<10	<11	<12
1,1-Dichloroethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Ethylene Dibromide	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
1,2-Dichloroethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Chloroethane	ug/kg	<20		<16		<21	<22	<24
Methyl tert-Butyl ether	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
1,1-Dichloroethylene	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
trans-1,2-Dichloroethylene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Vinyl Chloride	ug/kg	<10		<8.1		<10	<11	<12
Tetrachloroethylene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Tetrahydrofuran	ug/kg	<10		<8.1		<10	<11	<12
Hexanone, 2-	ug/kg	<20		<16		<21	<22	<24
Bromomethane	ug/kg	<10		<8.1		<10	<11	<12
Bromodichloromethane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Chloromethane	ug/kg	<10		<8.1		<10	<11	<12
Dibromochloromethane	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
Methylene Dibromide	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Methylene Chloride	ug/kg	<20		<16		<21	<22	<24
Bromoform	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Chloroform	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
Trichlorofluoromethane	ug/kg	<10		<8.1		<10	<11	<12
2-Methylnaphthalene	ug/kg	<200		<190		<200	<210	<190
Methyl Isobutyl ketone	ug/kg	<20		<16		<21	<22	<24

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	MW-01	MW-01	MW-01	MW-01	MW-02	MW-02	MW-03
	Sample ID	1273756	1273756	1273759	1273759	1273775	1273778	1273830
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/28/2013
	Sample Time	12:12	12:12	12:35	12:35	14:35	14:49	10:23
	Sample Depth	2' - 4'	2' - 4'	8' - 10'	8' - 10'	0' - 0.5'	4' - 6'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-34	13A0643-34RE1	13A0643-37	13A0643-37RE1	13A0643-46	13A0643-49	13A0744-12
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,2-Dibromo-3-Chloropropane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,3-Dichloropropane	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
sec-Dichloropropane	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
1,1-Dichloropropene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
trans-1,3-Dichloropropene	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
cis-1,3-Dichloropropene	ug/kg	<1.0		<0.81		<1.0	<1.1	<1.2
Styrene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Toluene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
4-Chlorotoluene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Trichloroethylene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
o-Xylene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
Xylenes,m- & p-	ug/kg	<4.1		<3.2		<4.2	<4.5	<4.9
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
n-Butylbenzene	ug/kg	<2.0		<1.6		<2.1	<2.2	<2.4
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
Date PCBs Analyzed	-			01/29/2013		01/29/2013		01/29/2013
Date Metals Analyzed	-			01/29/2013		01/29/2013		01/29/2013
Date Organics Analyzed	-	02/01/2013	02/01/2013	01/30/2013		01/29/2013		01/31/2013
Date Pesticides/Herbicides Analyzed	-							01/28/2013
Date Physical Analyzed	-	02/06/2013			01/31/2013		01/31/2013	
Date Semivolatile Organics Analyzed	-	02/04/2013		01/29/2013		01/29/2013		01/28/2013
Alachlor	ug/kg							<21
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg			<2.7		<3.2		<2.6
Barium	mg/kg			29		34		46
Cadmium	mg/kg			<0.27		<0.32		<0.26
Chromium, Total	mg/kg			9.7		20		16
Copper	mg/kg			5.2		11		13
Lead	mg/kg			9.9		6.4		4.5
Mercury	mg/kg			<0.027		0.11		<0.027
Nickel	mg/kg			7.2		8.5		11
Selenium	mg/kg			<5.4		<6.3		<5.2
Silver	mg/kg			<0.54		<0.63		<0.52
Zinc	mg/kg			18		23		25
Arochlor 1016	ug/kg			<110		<130		<100
Arochlor 1221	ug/kg			<110		<130		<100
Arochlor 1232	ug/kg			<110		<130		<100
Arochlor 1242	ug/kg			<110		<130		<100
Arochlor 1248	ug/kg			<110		<130		<100

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
Arochlor 1254	ug/kg			<110		<130		<100
Arochlor 1260	ug/kg			<110		<130		<100
Arochlor 1262	ug/kg			<110		<130		<100
Arochlor 1268	ug/kg			<110		<130		<100
Aldrin	ug/kg							<5.2
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							<6.3
Chlordane	ug/kg							<21
alpha-Hexachlorocyclohexane	ug/kg							<5.2
beta-Hexachlorocyclohexane	ug/kg							<5.2
delta-Hexachlorocyclohexane	ug/kg							<5.2
Lindane	ug/kg							<2.1
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							<4.2
Endrin	ug/kg							<8.4
Endrin aldehyde	ug/kg							<8.4
Endrin ketone	ug/kg							<8.4
4,4-DDT	ug/kg							<4.2
Methoxychlor	ug/kg							<52
4,4-DDD	ug/kg							<4.2
4,4-DDE	ug/kg							<4.2
Heptachlor Epoxide	ug/kg							<5.2
Heptachlor	ug/kg							<5.2
Endosulfan Sulfate	ug/kg							<8.4
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							<5.2
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							<8.4
Toxaphene	ug/kg							<100
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	250			38		<25	
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<500		<190		<440		<180
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<500		<190		<440		<180
Benzo[b]fluoranthene	ug/kg	<500		<190		<440		<180
Benzo(a)pyrene	ug/kg	<500		<190		<440		<180
Benzo(g,h,i)perylene	ug/kg	<500		<190		<440		<180
Benzo(k)fluoranthene	ug/kg	<500		<190		<440		<180
Carbazole	ug/kg							
Chrysene	ug/kg	<500		<190		<440		<180
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<500		<190		<440		<180
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<500		<190		<440		<180
Fluorene	ug/kg	<500		<190		<440		<180
Indeno(1,2,3-c,d)pyrene	ug/kg	<500		<190		<440		<180
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<4.8	<5.8	<3.4		<3.0		<130
Naphthalene	ug/kg	<500		<190		<440		<180
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<500		<190		<440		<180
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<500		<190		<440		<180
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Acenaphthene	ug/kg	<500		<190		<440		<180
Acetone	ug/kg	<120	<140	<85		<76		22000
Acrylonitrile	ug/kg	<7.2	<8.6	<5.1		<4.6		<320

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
Anthracene	ug/kg	<500		<190		<440		<180
Benzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,2,3-Trichlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<320
1,2,4-Trichlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,2-Dichlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,3,5-Trimethylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,3-Dichlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,4-Dichlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Bromobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Chlorobenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Ethylbenzene	ug/kg	<2.4	<2.9	2.2		<1.5		<64
Isopropylbenzene (Cumene)	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
sec-Butylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
tert-Butylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Hexachlorobutadiene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<48	<58	<34		<30		<1300
trans-1,4-Dichlorobutene	ug/kg	<4.8	<5.8	<3.4		<3.0		<130
Carbon Disulfide	ug/kg	<7.2	<8.6	<5.1		<4.6		<190
Carbon Tetrachloride	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<24	<29	<17		<15		<130
1,1,1,2-Tetrachloroethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,1,1-Trichloroethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,1,2,2-Tetrachloroethane	ug/kg	<1.2	<1.4	<0.85		<0.76		<32
1,1,2-Trichloroethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<12	<14	<8.5		<7.6		<64
1,1-Dichloroethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Ethylene Dibromide	ug/kg	<1.2	<1.4	<0.85		<0.76		<64
1,2-Dichloroethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Chloroethane	ug/kg	<24	<29	<17		<15		<130
Methyl tert-Butyl ether	ug/kg	<4.8	<5.8	<3.4		<3.0		<64
1,1-Dichloroethylene	ug/kg	<4.8	<5.8	<3.4		<3.0		<64
trans-1,2-Dichloroethylene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Vinyl Chloride	ug/kg	<12	<14	<8.5		<7.6		<130
Tetrachloroethylene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Tetrahydrofuran	ug/kg	<12	<14	<8.5		<7.6		<640
Hexanone, 2-	ug/kg	<24	<29	<17		<15		<640
Bromomethane	ug/kg	<12	<14	<8.5		<7.6		<130
Bromodichloromethane	ug/kg	<2.4	<2.9	<1.7		<1.5		<130
Chloromethane	ug/kg	<12	<14	<8.5		<7.6		<130
Dibromochloromethane	ug/kg	<1.2	<1.4	<0.85		<0.76		<32
Methylene Dibromide	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Methylene Chloride	ug/kg	<24	<29	<17		<15		<320
Bromoform	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Chloroform	ug/kg	<4.8	<5.8	<3.4		<3.0		<130
Trichlorofluoromethane	ug/kg	<12	<14	<8.5		<7.6		<130
2-Methylnaphthalene	ug/kg	<500		<190		<440		<180
Methyl Isobutyl ketone	ug/kg	<24	<29	<17		<15		<640

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	MW-03	MW-03	SB-001	SB-001	SB-001	SB-001	SB-002
	Sample ID	1273831	1273831	1273750	1273750	1273752	1273752	1270649
	Sample Date	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:26	10:26	11:27	11:27	11:37	11:37	13:10
	Sample Depth	4' - 6'	4' - 6'	0' - 2'	0' - 2'	4' - 6'	4' - 6'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-13	13A0744-13RE1	13A0643-28	13A0643-28RE1	13A0643-30	13A0643-30RE1	13A0643-11
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.4	<2.9	<1.7		<1.5		<130
1,2-Dibromo-3-Chloropropane	ug/kg	<2.4	<2.9	<1.7		<1.5		<320
1,3-Dichloropropane	ug/kg	<1.2	<1.4	<0.85		<0.76		<32
sec-Dichloropropane	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
1,1-Dichloropropene	ug/kg	<2.4	<2.9	<1.7		<1.5		<130
trans-1,3-Dichloropropene	ug/kg	<1.2	<1.4	<0.85		<0.76		<32
cis-1,3-Dichloropropene	ug/kg	<1.2	<1.4	<0.85		<0.76		<32
Styrene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Toluene	ug/kg	<2.4	<2.9	5.0		<1.5		<64
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
4-Chlorotoluene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
Trichloroethylene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
o-Xylene	ug/kg	<2.4	<2.9	6.5		<1.5		<64
Xylenes,m- & p-	ug/kg	<4.8	<5.8	12		<3.0		<130
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
n-Butylbenzene	ug/kg	<2.4	<2.9	<1.7		<1.5		<64
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
Date PCBs Analyzed	-		01/29/2013		01/29/2013		01/29/2013	
Date Metals Analyzed	-		01/29/2013		01/29/2013		01/29/2013	
Date Organics Analyzed	-		01/29/2013		01/30/2013		01/29/2013	
Date Pesticides/Herbicides Analyzed	-		01/30/2013					
Date Physical Analyzed	-	01/31/2013		01/31/2013		01/31/2013		01/31/2013
Date Semivolatile Organics Analyzed	-		01/29/2013		01/29/2013		01/29/2013	
Alachlor	ug/kg		<22					
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg		<2.7		3.0		8.6	
Barium	mg/kg		53		62		45	
Cadmium	mg/kg		<0.27		<0.26		<0.34	
Chromium, Total	mg/kg		14		11		32	
Copper	mg/kg		17		13		16	
Lead	mg/kg		7.4		12		16	
Mercury	mg/kg		<0.027		<0.026		0.067	
Nickel	mg/kg		11		7.5		11	
Selenium	mg/kg		<5.3		<5.1		<6.8	
Silver	mg/kg		<0.53		<0.51		<0.68	
Zinc	mg/kg		47		32		41	
Arochlor 1016	ug/kg		<110		<110		<130	
Arochlor 1221	ug/kg		<110		<110		<130	
Arochlor 1232	ug/kg		<110		<110		<130	
Arochlor 1242	ug/kg		<110		<110		<130	
Arochlor 1248	ug/kg		<110		<110		<130	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
Arochlor 1254	ug/kg		<110		<110		<130	
Arochlor 1260	ug/kg		<110		<110		<130	
Arochlor 1262	ug/kg		<110		<110		<130	
Arochlor 1268	ug/kg		<110		<110		<130	
Aldrin	ug/kg		<5.4					
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg		<6.5					
Chlordane	ug/kg		<22					
alpha-Hexachlorocyclohexane	ug/kg		<5.4					
beta-Hexachlorocyclohexane	ug/kg		<5.4					
delta-Hexachlorocyclohexane	ug/kg		<5.4					
Lindane	ug/kg		<2.2					
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg		<4.3					
Endrin	ug/kg		<8.6					
Endrin aldehyde	ug/kg		<8.6					
Endrin ketone	ug/kg		<8.6					
4,4-DDT	ug/kg		<4.3					
Methoxychlor	ug/kg		<54					
4,4-DDD	ug/kg		<4.3					
4,4-DDE	ug/kg		<4.3					
Heptachlor Epoxide	ug/kg		<5.4					
Heptachlor	ug/kg		<5.4					
Endosulfan Sulfate	ug/kg		<8.6					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg		<5.4					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg		<8.6					
Toxaphene	ug/kg		<110					
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	16		66		61		290
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg		<190		<180		<230	
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg		<190		410		<230	
Benzo[b]fluoranthene	ug/kg		400		740		<230	
Benzo(a)pyrene	ug/kg		240		480		<230	
Benzo(g,h,i)perylene	ug/kg		<190		260		<230	
Benzo(k)fluoranthene	ug/kg		<190		260		<230	
Carbazole	ug/kg							
Chrysene	ug/kg		240		610		<230	
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg		<190		<180		<230	
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg		360		970		<230	
Fluorene	ug/kg		<190		<180		<230	
Indeno(1,2,3-c,d)pyrene	ug/kg		270		380		<230	
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg		<2.4		<3.3		<9.2	
Naphthalene	ug/kg		<190		<180		<230	
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg		<190		650		<230	
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		350		950		<230	
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg		<1.2		<1.6		<4.6	
Acenaphthene	ug/kg		<190		<180		<230	
Acetone	ug/kg		<60		<81		<230	
Acrylonitrile	ug/kg		<3.6		<4.9		<14	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
Anthracene	ug/kg		<190		<180		<230	
Benzene	ug/kg		<1.2		<1.6		<4.6	
1,2,3-Trichlorobenzene	ug/kg		<1.2		<1.6		<4.6	
1,2,4-Trichlorobenzene	ug/kg		<1.2		<1.6		<4.6	
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg		<1.2		<1.6		<4.6	
1,2-Dichlorobenzene	ug/kg		<1.2		<1.6		<4.6	
1,3,5-Trimethylbenzene	ug/kg		<1.2		<1.6		<4.6	
1,3-Dichlorobenzene	ug/kg		<1.2		<1.6		<4.6	
1,4-Dichlorobenzene	ug/kg		<1.2		<1.6		<4.6	
Bromobenzene	ug/kg		<1.2		<1.6		<4.6	
Chlorobenzene	ug/kg		<1.2		<1.6		<4.6	
Ethylbenzene	ug/kg		<1.2		<1.6		<4.6	
Isopropylbenzene (Cumene)	ug/kg		<1.2		<1.6		<4.6	
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg		<1.2		<1.6		<4.6	
sec-Butylbenzene	ug/kg		<1.2		<1.6		<4.6	
tert-Butylbenzene	ug/kg		<1.2		<1.6		<4.6	
Hexachlorobutadiene	ug/kg		<1.2		<1.6		<4.6	
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg		<24		<33		<92	
trans-1,4-Dichlorobutene	ug/kg		<2.4		<3.3		<9.2	
Carbon Disulfide	ug/kg		<3.6		<4.9		<14	
Carbon Tetrachloride	ug/kg		<1.2		<1.6		<4.6	
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg		<1.2		<1.6		<4.6	
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
Dichlorodifluoromethane	ug/kg		<12		<16		<46	
1,1,1,2-Tetrachloroethane	ug/kg		<1.2		<1.6		<4.6	
1,1,1-Trichloroethane	ug/kg		<1.2		<1.6		<4.6	
1,1,2,2-Tetrachloroethane	ug/kg		<0.60		<0.81		<2.3	
1,1,2-Trichloroethane	ug/kg		<1.2		<1.6		<4.6	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg		<6.0		<8.1		<23	
1,1-Dichloroethane	ug/kg		<1.2		<1.6		<4.6	
Ethylene Dibromide	ug/kg		<0.60		<0.81		<2.3	
1,2-Dichloroethane	ug/kg		<1.2		<1.6		<4.6	
Chloroethane	ug/kg		<12		<16		<46	
Methyl tert-Butyl ether	ug/kg		<2.4		<3.3		<9.2	
1,1-Dichloroethylene	ug/kg		<2.4		<3.3		<9.2	
trans-1,2-Dichloroethylene	ug/kg		<1.2		<1.6		<4.6	
Vinyl Chloride	ug/kg		<6.0		<8.1		<23	
Tetrachloroethylene	ug/kg		<1.2		<1.6		<4.6	
Tetrahydrofuran	ug/kg		<6.0		<8.1		<23	
Hexanone, 2-	ug/kg		<12		<16		<46	
Bromomethane	ug/kg		<6.0		<8.1		<23	
Bromodichloromethane	ug/kg		<1.2		<1.6		<4.6	
Chloromethane	ug/kg		<6.0		<8.1		<23	
Dibromochloromethane	ug/kg		<0.60		<0.81		<2.3	
Methylene Dibromide	ug/kg		<1.2		<1.6		<4.6	
Methylene Chloride	ug/kg		<12		<16		<46	
Bromoform	ug/kg		<1.2		<1.6		<4.6	
Chloroform	ug/kg		<2.4		<3.3		<9.2	
Trichlorofluoromethane	ug/kg		<6.0		<8.1		<23	
2-Methylnaphthalene	ug/kg		<190		<180		<230	
Methyl Isobutyl ketone	ug/kg		<12		<16		<46	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-003	SB-003	SB-003	SB-003	SB-004	SB-004
	Sample ID	1270649	1273768	1273768	1273769	1273769	1273744	1273744
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:10	13:40	13:40	13:47	13:47	10:08	10:08
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11RE1	13A0643-39	13A0643-39RE1	13A0643-40	13A0643-40RE1	13A0643-22	13A0643-22RE1
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg		<1.2		<1.6		<4.6	
1,2-Dibromo-3-Chloropropane	ug/kg		<1.2		<1.6		<4.6	
1,3-Dichloropropane	ug/kg		<0.60		<0.81		<2.3	
sec-Dichloropropane	ug/kg		<1.2		<1.6		<4.6	
1,1-Dichloropropene	ug/kg		<1.2		<1.6		<4.6	
trans-1,3-Dichloropropene	ug/kg		<0.60		<0.81		<2.3	
cis-1,3-Dichloropropene	ug/kg		<0.60		<0.81		<2.3	
Styrene	ug/kg		<1.2		<1.6		<4.6	
Toluene	ug/kg		<1.2		<1.6		<4.6	
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg		<1.2		<1.6		<4.6	
4-Chlorotoluene	ug/kg		<1.2		<1.6		<4.6	
Trichloroethylene	ug/kg		<1.2		<1.6		<4.6	
o-Xylene	ug/kg		<1.2		<1.6		<4.6	
Xylenes,m- & p-	ug/kg		<2.4		<3.3		<9.2	
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg		<1.2		<1.6		<4.6	
n-Butylbenzene	ug/kg		<1.2		<1.6		<4.6	
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
Date PCBs Analyzed	-	01/31/2013		01/31/2013	01/31/2013	01/29/2013		
Date Metals Analyzed	-	01/29/2013		01/29/2013	01/29/2013	01/29/2013		
Date Organics Analyzed	-	01/30/2013		01/30/2013	01/30/2013	01/29/2013		
Date Pesticides/Herbicides Analyzed	-	01/30/2013		01/30/2013				
Date Physical Analyzed	-		01/31/2013	01/31/2013	01/30/2013		01/31/2013	02/01/2013
Date Semivolatile Organics Analyzed	-	01/29/2013		01/29/2013	01/29/2013	01/29/2013		
Alachlor	ug/kg	<23		<25				
2,4,5-Trichlorophenoxyacetic acid	ug/kg	<2.8		<3.1				
2,4-D	ug/kg	<28		<31				
Dicamba	ug/kg	<2.8		<3.1				
Dalapon	ug/kg	<70		<78				
Silvex	ug/kg	<2.8		<3.1				
Arsenic	mg/kg	<2.9		<2.9	<2.7	<3.1		
Barium	mg/kg	52		50	22	55		
Cadmium	mg/kg	<0.29		<0.29	<0.27	<0.31		
Chromium, Total	mg/kg	16		16	5.7	19		
Copper	mg/kg	9.7		11	4.3	11		
Lead	mg/kg	8.3		8.1	1.8	27		
Mercury	mg/kg	0.043		0.041	<0.027	0.048		
Nickel	mg/kg	9.8		8.5	2.8	9.9		
Selenium	mg/kg	<5.8		<5.9	<5.3	<6.2		
Silver	mg/kg	<0.58		<0.59	<0.53	<0.62		
Zinc	mg/kg	28		27	14	38		
Arochlor 1016	ug/kg	<110		<120	<110	<130		
Arochlor 1221	ug/kg	<110		<120	<110	<130		
Arochlor 1232	ug/kg	<110		<120	<110	<130		
Arochlor 1242	ug/kg	<110		<120	<110	<130		
Arochlor 1248	ug/kg	<110		<120	<110	<130		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
Arochlor 1254	ug/kg	<110		<120	<110	<130		
Arochlor 1260	ug/kg	<110		<120	<110	<130		
Arochlor 1262	ug/kg	<110		<120	<110	<130		
Arochlor 1268	ug/kg	<110		<120	<110	<130		
Aldrin	ug/kg	<5.7		<6.2				
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<6.9		<7.5				
Chlordane	ug/kg	<23		<25				
alpha-Hexachlorocyclohexane	ug/kg	<5.7		<6.2				
beta-Hexachlorocyclohexane	ug/kg	<5.7		<6.2				
delta-Hexachlorocyclohexane	ug/kg	<5.7		<6.2				
Lindane	ug/kg	<2.3		<2.5				
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<4.6		<5.0				
Endrin	ug/kg	<9.2		<10				
Endrin aldehyde	ug/kg	<9.2		<10				
Endrin ketone	ug/kg	<9.2		<10				
4,4-DDT	ug/kg	<4.6		<5.0				
Methoxychlor	ug/kg	<57		<62				
4,4-DDD	ug/kg	<4.6		<5.0				
4,4-DDE	ug/kg	<4.6		<5.0				
Heptachlor Epoxide	ug/kg	<5.7		<6.2				
Heptachlor	ug/kg	<5.7		<6.2				
Endosulfan Sulfate	ug/kg	<9.2		<10				
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<5.7		<6.2				
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<9.2		<10				
Toxaphene	ug/kg	<110		<120				
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		38	47	<11		63	73
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<200		<210	<190	<220		
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<200		<210	<190	<220		
Benzo[b]fluoranthene	ug/kg	<200		<210	<190	<220		
Benzo(a)pyrene	ug/kg	<200		<210	<190	<220		
Benzo(g,h,i)perylene	ug/kg	<200		<210	<190	<220		
Benzo(k)fluoranthene	ug/kg	<200		<210	<190	<220		
Carbazole	ug/kg							
Chrysene	ug/kg	<200		<210	<190	<220		
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<200		<210	<190	<220		
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<200		<210	<190	<220		
Fluorene	ug/kg	<200		<210	<190	<220		
Indeno(1,2,3-c,d)pyrene	ug/kg	<200		<210	<190	<220		
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<4.9		<5.3	<3.0	<5.0		
Naphthalene	ug/kg	<200		<210	<190	<220		
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<200		<210	<190	<220		
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<200		<210	<190	<220		
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.5		<2.7	<1.5	<2.5		
Acenaphthene	ug/kg	<200		<210	<190	<220		
Acetone	ug/kg	<120		<130	<76	<120		
Acrylonitrile	ug/kg	<7.4		<8.0	<4.6	<7.5		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
Anthracene	ug/kg	<200		<210	<190	<220		
Benzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,2,3-Trichlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,2,4-Trichlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,2-Dichlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,3,5-Trimethylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,3-Dichlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,4-Dichlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Bromobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Chlorobenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Ethylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Isopropylbenzene (Cumene)	ug/kg	<2.5		<2.7	<1.5	<2.5		
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
sec-Butylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
tert-Butylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Hexachlorobutadiene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<49		<53	<30	<50		
trans-1,4-Dichlorobutene	ug/kg	<4.9		<5.3	<3.0	<5.0		
Carbon Disulfide	ug/kg	<7.4		<8.0	<4.6	<7.5		
Carbon Tetrachloride	ug/kg	<2.5		<2.7	<1.5	<2.5		
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<25		<27	<15	<25		
1,1,1,2-Tetrachloroethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,1,1-Trichloroethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,1,2,2-Tetrachloroethane	ug/kg	<1.2		<1.3	<0.76	<1.2		
1,1,2-Trichloroethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<12		<13	<7.6	<12		
1,1-Dichloroethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
Ethylene Dibromide	ug/kg	<1.2		<1.3	<0.76	<1.2		
1,2-Dichloroethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
Chloroethane	ug/kg	<25		<27	<15	<25		
Methyl tert-Butyl ether	ug/kg	<4.9		<5.3	<3.0	<5.0		
1,1-Dichloroethylene	ug/kg	<4.9		<5.3	<3.0	<5.0		
trans-1,2-Dichloroethylene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Vinyl Chloride	ug/kg	<12		<13	<7.6	<12		
Tetrachloroethylene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Tetrahydrofuran	ug/kg	<12		<13	<7.6	<12		
Hexanone, 2-	ug/kg	<25		<27	<15	<25		
Bromomethane	ug/kg	<12		<13	<7.6	<12		
Bromodichloromethane	ug/kg	<2.5		<2.7	<1.5	<2.5		
Chloromethane	ug/kg	<12		<13	<7.6	<12		
Dibromochloromethane	ug/kg	<1.2		<1.3	<0.76	<1.2		
Methylene Dibromide	ug/kg	<2.5		<2.7	<1.5	<2.5		
Methylene Chloride	ug/kg	<25		<27	<15	<25		
Bromoform	ug/kg	<2.5		<2.7	<1.5	<2.5		
Chloroform	ug/kg	<4.9		<5.3	<3.0	<5.0		
Trichlorofluoromethane	ug/kg	<12		<13	<7.6	<12		
2-Methylnaphthalene	ug/kg	<200		<210	<190	<220		
Methyl Isobutyl ketone	ug/kg	<25		<27	<15	<25		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-005	SB-005	SB-005	SB-005	SB-006	SB-006	SB-006
	Sample ID	1273770	1273770	1273771	1273773	1273746	1273746	1273746
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:58	13:58	13:58	14:10	10:13	10:13	10:13
	Sample Depth	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	4' - 6'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-41	13A0643-41RE1	13A0643-42	13A0643-44	13A0643-24	13A0643-24RE1	13A0643-24RE2
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,2-Dibromo-3-Chloropropane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,3-Dichloropropane	ug/kg	<1.2		<1.3	<0.76	<1.2		
sec-Dichloropropane	ug/kg	<2.5		<2.7	<1.5	<2.5		
1,1-Dichloropropene	ug/kg	<2.5		<2.7	<1.5	<2.5		
trans-1,3-Dichloropropene	ug/kg	<1.2		<1.3	<0.76	<1.2		
cis-1,3-Dichloropropene	ug/kg	<1.2		<1.3	<0.76	<1.2		
Styrene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Toluene	ug/kg	<2.5		<2.7	<1.5	<2.5		
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.5		<2.7	<1.5	<2.5		
4-Chlorotoluene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Trichloroethylene	ug/kg	<2.5		<2.7	<1.5	<2.5		
o-Xylene	ug/kg	<2.5		<2.7	<1.5	<2.5		
Xylenes,m- & p-	ug/kg	<4.9		<5.3	<3.0	<5.0		
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.5		<2.7	<1.5	<2.5		
n-Butylbenzene	ug/kg	<2.5		<2.7	<1.5	<2.5		
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
Date PCBs Analyzed	-	01/29/2013			01/31/2013	01/31/2013		
Date Metals Analyzed	-	01/29/2013			01/29/2013	01/29/2013		02/02/2013
Date Organics Analyzed	-	01/29/2013		01/31/2013	01/30/2013	01/30/2013	01/30/2013	02/01/2013
Date Pesticides/Herbicides Analyzed	-				01/30/2013			
Date Physical Analyzed	-		01/31/2013		01/31/2013	01/30/2013		02/05/2013
Date Semivolatile Organics Analyzed	-	01/30/2013			01/31/2013	01/31/2013		02/04/2013
Alachlor	ug/kg				<24			
2,4,5-Trichlorophenoxyacetic acid	ug/kg				<3.0			
2,4-D	ug/kg				<30			
Dicamba	ug/kg				<3.0			
Dalapon	ug/kg				<74			
Silvex	ug/kg				<3.0			
Arsenic	mg/kg	<2.8			<3.0	<3.1		<2.5
Barium	mg/kg	35			45	31		50
Cadmium	mg/kg	<0.28			0.35	<0.31		<0.25
Chromium, Total	mg/kg	18			16	23		11
Copper	mg/kg	20			11	18		8.8
Lead	mg/kg	66			12	49		6.0
Mercury	mg/kg	0.057			0.041	0.041		<0.026
Nickel	mg/kg	10			9.1	9.3		7.5
Selenium	mg/kg	<5.7			<6.0	<6.2		<5.1
Silver	mg/kg	<0.57			<0.60	<0.62		<0.51
Zinc	mg/kg	37			40	42		25
Arochlor 1016	ug/kg	<120			<120	<130		
Arochlor 1221	ug/kg	<120			<120	<130		
Arochlor 1232	ug/kg	<120			<120	<130		
Arochlor 1242	ug/kg	<120			<120	<130		
Arochlor 1248	ug/kg	<120			<120	<130		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
Arochlor 1254	ug/kg	<120			<120	<130		
Arochlor 1260	ug/kg	<120			<120	<130		
Arochlor 1262	ug/kg	<120			<120	<130		
Arochlor 1268	ug/kg	<120			<120	<130		
Aldrin	ug/kg				<5.9			
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg				<7.1			
Chlordane	ug/kg				<24			
alpha-Hexachlorocyclohexane	ug/kg				<5.9			
beta-Hexachlorocyclohexane	ug/kg				<5.9			
delta-Hexachlorocyclohexane	ug/kg				<5.9			
Lindane	ug/kg				<2.4			
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg				<4.7			
Endrin	ug/kg				<9.4			
Endrin aldehyde	ug/kg				<9.4			
Endrin ketone	ug/kg				<9.4			
4,4-DDT	ug/kg				<4.7			
Methoxychlor	ug/kg				<59			
4,4-DDD	ug/kg				<4.7			
4,4-DDE	ug/kg				<4.7			
Heptachlor Epoxide	ug/kg				<5.9			
Heptachlor	ug/kg				<5.9			
Endosulfan Sulfate	ug/kg				<9.4			
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg				<5.9			
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg				<9.4			
Toxaphene	ug/kg				<120			
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		450		43	1000		<10
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<200			<200	1700		<180
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	270			<200	2200		<180
Benzo[b]fluoranthene	ug/kg	770			<200	6200		<180
Benzo(a)pyrene	ug/kg	370			<200	4100		<180
Benzo(g,h,i)perylene	ug/kg	200			<200	3400		<180
Benzo(k)fluoranthene	ug/kg	250			<200	2200		<180
Carbazole	ug/kg							
Chrysene	ug/kg	460			<200	3600		<180
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<200			<200	<870		<180
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	750			<200	3400		<180
Fluorene	ug/kg	<200			<200	<870		<180
Indeno(1,2,3-c,d)pyrene	ug/kg	330			<200	3800		<180
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<5		<330	<4.3	<6.0	<6.7	<3.4
Naphthalene	ug/kg	<200			<200	<870		<180
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	390			<200	1300		<180
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	440			<200	4000		<180
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Acenaphthene	ug/kg	<200			<200	<870		<180
Acetone	ug/kg	<130		<8200	<110	<150	<170	<85
Acrylonitrile	ug/kg	<7.5		<820	<6.5	<9.0	<10	<5.1

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
Anthracene	ug/kg	<200			<200	<870		<180
Benzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,2,3-Trichlorobenzene	ug/kg	<2.5		<820	<2.2	<3.0	<3.4	<1.7
1,2,4-Trichlorobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	2.8		<160	<2.2	<3.0	<3.4	<1.7
1,2-Dichlorobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,3,5-Trimethylbenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,3-Dichlorobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,4-Dichlorobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Bromobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Chlorobenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Ethylbenzene	ug/kg	35		<160	<2.2	<3.0	<3.4	<1.7
Isopropylbenzene (Cumene)	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
sec-Butylbenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
tert-Butylbenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Hexachlorobutadiene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<50		<3300	<43	<60	<67	<34
trans-1,4-Dichlorobutene	ug/kg	<5		<330	<4.3	<6.0	<6.7	<3.4
Carbon Disulfide	ug/kg	<7.5		<490	<6.5	<9.0	<10	<5.1
Carbon Tetrachloride	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<25		<330	<22	<30	<34	<17
1,1,1,2-Tetrachloroethane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,1,1-Trichloroethane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,1,2,2-Tetrachloroethane	ug/kg	<1.3		<82	<1.1	<1.5	<1.7	<0.85
1,1,2-Trichloroethane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<13		<160	<11	<15	<17	<8.5
1,1-Dichloroethane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Ethylene Dibromide	ug/kg	<1.3		<160	<1.1	<1.5	<1.7	<0.85
1,2-Dichloroethane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Chloroethane	ug/kg	<25		<330	<22	<30	<34	<17
Methyl tert-Butyl ether	ug/kg	<5		<160	<4.3	<6.0	<6.7	<3.4
1,1-Dichloroethylene	ug/kg	<5		<160	<4.3	<6.0	<6.7	<3.4
trans-1,2-Dichloroethylene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Vinyl Chloride	ug/kg	<13		<330	<11	<15	<17	<8.5
Tetrachloroethylene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Tetrahydrofuran	ug/kg	<13		<1600	<11	<15	<17	<8.5
Hexanone, 2-	ug/kg	<25		<1600	<22	<30	<34	<17
Bromomethane	ug/kg	<13		<330	<11	<15	<17	<8.5
Bromodichloromethane	ug/kg	<2.5		<330	<2.2	<3.0	<3.4	<1.7
Chloromethane	ug/kg	<13		<330	<11	<15	<17	<8.5
Dibromochloromethane	ug/kg	<1.3		<82	<1.1	<1.5	<1.7	<0.85
Methylene Dibromide	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Methylene Chloride	ug/kg	<25		<820	<22	<30	<34	<17
Bromoform	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Chloroform	ug/kg	<5		<330	<4.3	<6.0	<6.7	<3.4
Trichlorofluoromethane	ug/kg	<13		<330	<11	<15	<17	<8.5
2-Methylnaphthalene	ug/kg	<200			<200	<870		<180
Methyl Isobutyl ketone	ug/kg	<25		<1600	<22	<30	<34	<17

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-007	SB-007	SB-007	SB-008	SB-008	SB-008	SB-009
	Sample ID	1273748	1273748	1273748	1273781	1273782	1273782	1273863
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/29/2013
	Sample Time	10:20	10:20	10:20	15:05	15:10	15:10	11:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0.5' - 2.0'	0.5' - 2.0'	0' - 1'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-26	13A0643-26RE1	13A0643-26m	13A0643-52	13A0643-53	13A0643-53RE1	13A0745-03
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.5		<330	<2.2	<3.0	<3.4	<1.7
1,2-Dibromo-3-Chloropropane	ug/kg	<2.5		<820	<2.2	<3.0	<3.4	<1.7
1,3-Dichloropropane	ug/kg	<1.3		<82	<1.1	<1.5	<1.7	<0.85
sec-Dichloropropane	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
1,1-Dichloropropene	ug/kg	<2.5		<330	<2.2	<3.0	<3.4	<1.7
trans-1,3-Dichloropropene	ug/kg	<1.3		<82	<1.1	<1.5	<1.7	<0.85
cis-1,3-Dichloropropene	ug/kg	<1.3		<82	<1.1	<1.5	<1.7	<0.85
Styrene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Toluene	ug/kg	490 E		160	<2.2	<3.0	<3.4	<1.7
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
4-Chlorotoluene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
Trichloroethylene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
o-Xylene	ug/kg	50		<160	<2.2	<3.0	<3.4	<1.7
Xylenes,m- & p-	ug/kg	150		<330	<4.3	<6.0	<6.7	<3.4
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
n-Butylbenzene	ug/kg	<2.5		<160	<2.2	<3.0	<3.4	<1.7
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
Date PCBs Analyzed	-				01/31/2013	01/31/2013	01/31/2013	
Date Metals Analyzed	-	02/02/2013	02/02/2013	02/02/2013	01/30/2013	01/30/2013	01/30/2013	
Date Organics Analyzed	-	02/01/2013	02/01/2013	02/01/2013				01/30/2013
Date Pesticides/Herbicides Analyzed	-							01/31/2013
Date Physical Analyzed	-	02/05/2013	02/05/2013	02/05/2013	02/01/2013	02/01/2013	02/01/2013	01/31/2013
Date Semivolatile Organics Analyzed	-	02/04/2013	02/04/2013	02/04/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013
Alachlor	ug/kg							<25
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.5	<2.7	<2.6	<2.7	<2.8	<2.6	
Barium	mg/kg	60	62	62	14	14	34	
Cadmium	mg/kg	<0.25	<0.27	<0.26	<0.27	<0.28	<0.26	
Chromium, Total	mg/kg	19	19	17	8.0	10	4.9	
Copper	mg/kg	24	14	15	2.9	3.4	5.1	
Lead	mg/kg	5.1	5.3	5.6	3.3	5.9	1.9	
Mercury	mg/kg	<0.026	<0.027	<0.027	<0.028	<0.028	<0.027	
Nickel	mg/kg	14	12	11	3.8	4.9	3.3	
Selenium	mg/kg	<4.9	<5.4	<5.3	<5.4	<5.7	<5.2	
Silver	mg/kg	<0.49	<0.54	<0.53	<0.54	<0.57	<0.52	
Zinc	mg/kg	25	22	23	15	18	16	
Arochlor 1016	ug/kg				<110	<120	<110	
Arochlor 1221	ug/kg				<110	<120	<110	
Arochlor 1232	ug/kg				<110	<120	<110	
Arochlor 1242	ug/kg				<110	<120	<110	
Arochlor 1248	ug/kg				<110	<120	<110	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
Arochlor 1254	ug/kg				<110	<120	<110	
Arochlor 1260	ug/kg				<110	<120	<110	
Arochlor 1262	ug/kg				<110	<120	<110	
Arochlor 1268	ug/kg				<110	<120	<110	
Aldrin	ug/kg							<6.3
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							<7.6
Chlordane	ug/kg							<25
alpha-Hexachlorocyclohexane	ug/kg							<6.3
beta-Hexachlorocyclohexane	ug/kg							<6.3
delta-Hexachlorocyclohexane	ug/kg							<6.3
Lindane	ug/kg							<2.5
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							<5.1
Endrin	ug/kg							<10
Endrin aldehyde	ug/kg							<10
Endrin ketone	ug/kg							<10
4,4-DDT	ug/kg							<5.1
Methoxychlor	ug/kg							<63
4,4-DDD	ug/kg							<5.1
4,4-DDE	ug/kg							<5.1
Heptachlor Epoxide	ug/kg							<6.3
Heptachlor	ug/kg							<6.3
Endosulfan Sulfate	ug/kg							<10
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							<6.3
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							<10
Toxaphene	ug/kg							<130
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	11	<11	16	<11	140	<11	65
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<180	<180	<190	<190	770	<180	<210
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<180	<180	<190	<190	930	<180	<210
Benzo[b]fluoranthene	ug/kg	<180	<180	<190	<190	1100	<180	<210
Benzo(a)pyrene	ug/kg	<180	<180	<190	<190	960	<180	<210
Benzo(g,h,i)perylene	ug/kg	<180	<180	<190	<190	820	<180	<210
Benzo(k)fluoranthene	ug/kg	<180	<180	<190	<190	520	<180	<210
Carbazole	ug/kg							
Chrysene	ug/kg	<180	<180	<190	<190	1000	<180	<210
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<180	<180	<190	<190	<200	<180	<210
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<180	<180	<190	<190	2000	<180	320
Fluorene	ug/kg	<180	<180	<190	<190	340	<180	<210
Indeno(1,2,3-c,d)pyrene	ug/kg	<180	<180	<190	<190	950	<180	<210
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<3.4	<3.3	<1.5				<16
Naphthalene	ug/kg	<180	<180	<190	<190	<200	<180	<210
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<180	<180	<190	200	2200	<180	<210
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<180	<180	<190	<190	2100	<180	300
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<1.7	<1.7	<0.75				<8.0
Acenaphthene	ug/kg	<180	<180	<190	<190	<200	<180	<210
Acetone	ug/kg	<84	<83	<37				<400
Acrylonitrile	ug/kg	<5.1	<5.0	<2.2				<24

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
Anthracene	ug/kg	<180	<180	<190	<190	440	<180	<210
Benzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,2,3-Trichlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,2,4-Trichlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,2-Dichlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,3,5-Trimethylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,3-Dichlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
1,4-Dichlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
Bromobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
Chlorobenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
Ethylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
Isopropylbenzene (Cumene)	ug/kg	<1.7	<1.7	<0.75				<8.0
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
sec-Butylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
tert-Butylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
Hexachlorobutadiene	ug/kg	<1.7	<1.7	<0.75				<8.0
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<34	<33	<15				<160
trans-1,4-Dichlorobutene	ug/kg	<3.4	<3.3	<1.5				<16
Carbon Disulfide	ug/kg	<5.1	<5.0	<2.2				<24
Carbon Tetrachloride	ug/kg	<1.7	<1.7	<0.75				<8.0
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<1.7	<1.7	<0.75				<8.0
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<17	<17	<7.5				<80
1,1,1,2-Tetrachloroethane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,1,1-Trichloroethane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,1,2,2-Tetrachloroethane	ug/kg	<0.84	<0.83	<0.37				<4.0
1,1,2-Trichloroethane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<8.4	<8.3	<3.7				<40
1,1-Dichloroethane	ug/kg	<1.7	<1.7	<0.75				<8.0
Ethylene Dibromide	ug/kg	<0.84	<0.83	<0.37				<4.0
1,2-Dichloroethane	ug/kg	<1.7	<1.7	<0.75				<8.0
Chloroethane	ug/kg	<17	<17	<7.5				<80
Methyl tert-Butyl ether	ug/kg	<3.4	<3.3	<1.5				<16
1,1-Dichloroethylene	ug/kg	<3.4	<3.3	<1.5				<16
trans-1,2-Dichloroethylene	ug/kg	<1.7	<1.7	<0.75				<8.0
Vinyl Chloride	ug/kg	<8.4	<8.3	<3.7				<40
Tetrachloroethylene	ug/kg	<1.7	<1.7	<0.75				<8.0
Tetrahydrofuran	ug/kg	<8.4	<8.3	<3.7				<40
Hexanone, 2-	ug/kg	<17	<17	<7.5				<80
Bromomethane	ug/kg	<8.4	<8.3	<3.7				<40
Bromodichloromethane	ug/kg	<1.7	<1.7	<0.75				<8.0
Chloromethane	ug/kg	<8.4	<8.3	<3.7				<40
Dibromochloromethane	ug/kg	<0.84	<0.83	<0.37				<4.0
Methylene Dibromide	ug/kg	<1.7	<1.7	<0.75				<8.0
Methylene Chloride	ug/kg	<17	<17	<7.5				<80
Bromoform	ug/kg	<1.7	<1.7	<0.75				<8.0
Chloroform	ug/kg	<3.4	<3.3	<1.5				<16
Trichlorofluoromethane	ug/kg	<8.4	<8.3	<3.7				<40
2-Methylnaphthalene	ug/kg	<180	<180	<190	<190	<200	<180	<210
Methyl Isobutyl ketone	ug/kg	<17	<17	<7.5				<80

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-010	SB-011	SB-012	SB-014	SB-015	SB-016	SB-022
	Sample ID	1273864	1273865	1273866	1273801	1273802	1273803	1273800
	Sample Date	01/29/2013	01/29/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:05	13:30	14:15	15:55	15:50	16:05	10:45
	Sample Depth	0' - 1.8'	0' - 1.5'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-04	13A0745-05	13A0745-06	13A0687-38	13A0687-39	13A0687-40	13A0687-01
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,2-Dibromo-3-Chloropropane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,3-Dichloropropane	ug/kg	<0.84	<0.83	<0.37				<4.0
sec-Dichloropropane	ug/kg	<1.7	<1.7	<0.75				<8.0
1,1-Dichloropropene	ug/kg	<1.7	<1.7	<0.75				<8.0
trans-1,3-Dichloropropene	ug/kg	<0.84	<0.83	<0.37				<4.0
cis-1,3-Dichloropropene	ug/kg	<0.84	<0.83	<0.37				<4.0
Styrene	ug/kg	<1.7	<1.7	<0.75				<8.0
Toluene	ug/kg	<1.7	<1.7	<0.75				<8.0
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<1.7	<1.7	<0.75				<8.0
4-Chlorotoluene	ug/kg	<1.7	<1.7	<0.75				<8.0
Trichloroethylene	ug/kg	<1.7	<1.7	<0.75				<8.0
o-Xylene	ug/kg	<1.7	<1.7	<0.75				<8.0
Xylenes,m- & p-	ug/kg	<3.4	<3.3	<1.5				<16
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<1.7	<1.7	<0.75				<8.0
n-Butylbenzene	ug/kg	<1.7	<1.7	<0.75				<8.0
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-		02/01/2013		02/01/2013	01/30/2013	01/30/2013	01/30/2013
Date Organics Analyzed	-	01/30/2013	01/30/2013		01/30/2013	01/30/2013	01/30/2013	01/30/2013
Date Pesticides/Herbicides Analyzed	-		02/01/2013					
Date Physical Analyzed	-	01/31/2013	02/01/2013		01/31/2013	01/30/2013	01/31/2013	01/31/2013
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013	01/31/2013	02/01/2013	01/31/2013	01/31/2013	01/31/2013
Alachlor	ug/kg		<27					
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg		<3.3		<2.8	<2.7	<2.6	<2.7
Barium	mg/kg		55		34	24	24	23
Cadmium	mg/kg		0.44		<0.28	<0.27	<0.26	<0.27
Chromium, Total	mg/kg		13		14	7.8	12	9.4
Copper	mg/kg		16		8.7	6.2	6.6	3.5
Lead	mg/kg		610		14	3.4	1.9	9.0
Mercury	mg/kg		0.13		0.040	<0.027	<0.026	0.042
Nickel	mg/kg		7.2		7.4	5.0	5.0	4.4
Selenium	mg/kg		<6.5		<5.7	<5.3	<5.1	<5.5
Silver	mg/kg		<0.65		<0.57	<0.53	<0.51	<0.55
Zinc	mg/kg		160		36	16	15	18
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg		<6.7					
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg		<8.0					
Chlordane	ug/kg		<27					
alpha-Hexachlorocyclohexane	ug/kg		<6.7					
beta-Hexachlorocyclohexane	ug/kg		<6.7					
delta-Hexachlorocyclohexane	ug/kg		<6.7					
Lindane	ug/kg		<2.7					
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg		<5.3					
Endrin	ug/kg		<11					
Endrin aldehyde	ug/kg		<11					
Endrin ketone	ug/kg		<11					
4,4-DDT	ug/kg		<5.3					
Methoxychlor	ug/kg		<67					
4,4-DDD	ug/kg		<5.3					
4,4-DDE	ug/kg		<5.3					
Heptachlor Epoxide	ug/kg		<6.7					
Heptachlor	ug/kg		<6.7					
Endosulfan Sulfate	ug/kg		<11					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg		<6.7					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg		<11					
Toxaphene	ug/kg		<130					
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	82	240		44	<11	200	24
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<210	<440		<200	<180	<180	<190
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	220	4700		<200	<180	<180	<190
Benzo[b]fluoranthene	ug/kg	320	4400		<200	<180	<180	<190
Benzo(a)pyrene	ug/kg	230	3400		<200	<180	<180	<190
Benzo(g,h,i)perylene	ug/kg	<210	1000		<200	<180	<180	<190
Benzo(k)fluoranthene	ug/kg	<210	1500		<200	<180	<180	<190
Carbazole	ug/kg							
Chrysene	ug/kg	290	5500		<200	<180	<180	<190
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<210	530		<200	<180	<180	<190
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	400	8000		<200	<180	<180	<190
Fluorene	ug/kg	<210	<440		<200	<180	<180	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	260	1400		<200	<180	<180	<190
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
Naphthalene	ug/kg	<210	<440		<200	<180	<180	<190
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	380		10000	<200	<180	450	<190
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	410	7700		<200	<180	<180	<190
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Acenaphthene	ug/kg	<210	<440		<200	<180	<180	<190
Acetone	ug/kg	<140	<210		<240	<140	<210	<160
Acrylonitrile	ug/kg	<8.5	<13		<14	<8.4	<13	<9.6

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
Anthracene	ug/kg	<210	1800		<200	<180	<180	<190
Benzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,2,3-Trichlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,2,4-Trichlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,2-Dichlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,3,5-Trimethylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,3-Dichlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,4-Dichlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Bromobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Chlorobenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Ethylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Isopropylbenzene (Cumene)	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
sec-Butylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
tert-Butylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Hexachlorobutadiene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<57	<85		<96	<56	<85	<64
trans-1,4-Dichlorobutene	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
Carbon Disulfide	ug/kg	<8.5	<13		<14	<8.4	<13	<9.6
Carbon Tetrachloride	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<28	<42		<48	<28	<43	<32
1,1,1,2-Tetrachloroethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,1,1-Trichloroethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,1,2,2-Tetrachloroethane	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
1,1,2-Trichloroethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<14	<21		<24	<14	<21	<16
1,1-Dichloroethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Ethylene Dibromide	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
1,2-Dichloroethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Chloroethane	ug/kg	<28	<42		<48	<28	<43	<32
Methyl tert-Butyl ether	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
1,1-Dichloroethylene	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
trans-1,2-Dichloroethylene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Vinyl Chloride	ug/kg	<14	<21		<24	<14	<21	<16
Tetrachloroethylene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Tetrahydrofuran	ug/kg	<14	<21		<24	<14	<21	<16
Hexanone, 2-	ug/kg	<28	<42		<48	<28	<43	<32
Bromomethane	ug/kg	<14	<21		<24	<14	<21	<16
Bromodichloromethane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Chloromethane	ug/kg	<14	<21		<24	<14	<21	<16
Dibromochloromethane	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
Methylene Dibromide	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Methylene Chloride	ug/kg	<28	<42		<48	<28	<43	<32
Bromoform	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Chloroform	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
Trichlorofluoromethane	ug/kg	<14	<21		<24	<14	<21	<16
2-Methylnaphthalene	ug/kg	<210	<440		<200	<180	<180	<190
Methyl Isobutyl ketone	ug/kg	<28	<42		<48	<28	<43	<32

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-022	SB-023	SB-023	SB-023	SB-028	SB-028	SB-029
	Sample ID	1273804	1273805	1273805	1273806	1273808	1273810	1273807
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	10:50	11:05	11:05	11:10	11:50	12:00	11:30
	Sample Depth	0.5' - 2.0'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2.0'	0' - 2'	4' - 5.5'	0.0' - 2.0'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-02	13A0687-03	13A0687-03RE1	13A0687-04	13A0687-06	13A0687-08	13A0687-05
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,2-Dibromo-3-Chloropropane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,3-Dichloropropane	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
sec-Dichloropropane	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
1,1-Dichloropropene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
trans-1,3-Dichloropropene	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
cis-1,3-Dichloropropene	ug/kg	<1.4	<2.1		<2.4	<1.4	<2.1	<1.6
Styrene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Toluene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
4-Chlorotoluene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Trichloroethylene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
o-Xylene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
Xylenes,m- & p-	ug/kg	<5.7	<8.5		<9.6	<5.6	<8.5	<6.4
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
n-Butylbenzene	ug/kg	<2.8	<4.2		<4.8	<2.8	<4.3	<3.2
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/01/2013	02/01/2013	02/01/2013	02/01/2013	01/29/2013		01/29/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/05/2013	02/06/2013	02/06/2013	02/06/2013		01/31/2013	
Date Semivolatile Organics Analyzed	-	02/04/2013	02/04/2013	02/04/2013	02/05/2013	01/28/2013		01/28/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	<10	<10	20	11		55	
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<170	<170	<190	<180	<370		<190
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<170	<170	<190	<180	<370		<190
Benzo[b]fluoranthene	ug/kg	<170	<170	<190	<180	<370		<190
Benzo(a)pyrene	ug/kg	<170	<170	<190	<180	<370		<190
Benzo(g,h,i)perylene	ug/kg	<170	<170	<190	<180	<370		<190
Benzo(k)fluoranthene	ug/kg	<170	<170	<190	<180	<370		<190
Carbazole	ug/kg							
Chrysene	ug/kg	<170	<170	<190	<180	<370		<190
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<170	<170	<190	<180	<370		<190
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<170	<170	<190	<180	520		<190
Fluorene	ug/kg	<170	<170	<190	<180	<370		<190
Indeno(1,2,3-c,d)pyrene	ug/kg	<170	<170	<190	<180	<370		<190
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
Naphthalene	ug/kg	<170	<170	<190	<180	<370		<190
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<170	<170	<190	<180	370		<190
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<170	<170	<190	<180	590		<190
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Acenaphthene	ug/kg	<170	<170	<190	<180	<370		<190
Acetone	ug/kg	<46	<39	<92	<87	<99		<110
Acrylonitrile	ug/kg	<2.8	<2.3	<5.5	<5.2	<5.9		<6.5

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
Anthracene	ug/kg	<170	<170	<190	<180	<370		<190
Benzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,2,3-Trichlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,2,4-Trichlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,2-Dichlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,3,5-Trimethylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,3-Dichlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,4-Dichlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Bromobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Chlorobenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Ethylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Isopropylbenzene (Cumene)	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
sec-Butylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
tert-Butylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Hexachlorobutadiene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<19	<15	<37	<35	<40		<43
trans-1,4-Dichlorobutene	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
Carbon Disulfide	ug/kg	<2.8	<2.3	<5.5	<5.2	<5.9		<6.5
Carbon Tetrachloride	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<9.3	<7.7	<18	<17	<20		<22
1,1,1,2-Tetrachloroethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,1,1-Trichloroethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,1,2,2-Tetrachloroethane	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
1,1,2-Trichloroethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
1,1-Dichloroethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Ethylene Dibromide	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
1,2-Dichloroethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Chloroethane	ug/kg	<9.3	<7.7	<18	<17	<20		<22
Methyl tert-Butyl ether	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
1,1-Dichloroethylene	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
trans-1,2-Dichloroethylene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Vinyl Chloride	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
Tetrachloroethylene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Tetrahydrofuran	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
Hexanone, 2-	ug/kg	<9.3	<7.7	<18	<17	<20		<22
Bromomethane	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
Bromodichloromethane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Chloromethane	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
Dibromochloromethane	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
Methylene Dibromide	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Methylene Chloride	ug/kg	<9.3	<7.7	<18	<17	<20		<22
Bromoform	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Chloroform	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
Trichlorofluoromethane	ug/kg	<4.6	<3.9	<9.2	<8.7	<9.9		<11
2-Methylnaphthalene	ug/kg	<170	<170	<190	<180	<370		<190
Methyl Isobutyl ketone	ug/kg	<9.3	<7.7	<18	<17	<20		<22

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-032	SB-032	SB-033	SB-033	SB-034	SB-034	SB-035
	Sample ID	1273844	1273852	1273840	1273841	1273765	1273765	1273766
	Sample Date	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:38	14:42	11:20	11:22	11:33	11:33	11:38
	Sample Depth	2' - 4'	6' - 7.5'	2' - 4'	4' - 6'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-26	13A0744-34	13A0744-22	13A0744-23	13A0643-14	13A0643-14RE1	13A0643-12
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,2-Dibromo-3-Chloropropane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,3-Dichloropropane	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
sec-Dichloropropane	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
1,1-Dichloropropene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
trans-1,3-Dichloropropene	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
cis-1,3-Dichloropropene	ug/kg	<0.46	<0.39	<0.92	<0.87	<0.99		<1.1
Styrene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Toluene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
4-Chlorotoluene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Trichloroethylene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
o-Xylene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
Xylenes,m- & p-	ug/kg	<1.9	<1.5	<3.7	<3.5	<4.0		<4.3
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
n-Butylbenzene	ug/kg	<0.93	<0.77	<1.8	<1.7	<2.0		<2.2
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
Date PCBs Analyzed	-					02/04/2013	02/04/2013	
Date Metals Analyzed	-					02/02/2013	02/02/2013	
Date Organics Analyzed	-		01/29/2013		02/01/2013	02/01/2013	02/01/2013	02/05/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	01/31/2013		01/31/2013	02/05/2013	02/06/2013	02/06/2013	02/06/2013
Date Semivolatile Organics Analyzed	-		01/28/2013		02/04/2013	02/04/2013	02/04/2013	02/06/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg					<2.8	<2.7	
Barium	mg/kg					42	35	
Cadmium	mg/kg					<0.28	<0.27	
Chromium, Total	mg/kg					9.6	7.1	
Copper	mg/kg					17	14	
Lead	mg/kg					76	52	
Mercury	mg/kg					<0.028	<0.026	
Nickel	mg/kg					6.9	5.5	
Selenium	mg/kg					<5.6	<5.3	
Silver	mg/kg					0.78	<0.53	
Zinc	mg/kg					25	19	
Arochlor 1016	ug/kg					<110	<100	
Arochlor 1221	ug/kg					<110	<100	
Arochlor 1232	ug/kg					<110	<100	
Arochlor 1242	ug/kg					<110	<100	
Arochlor 1248	ug/kg					<110	<100	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
Arochlor 1254	ug/kg					<110	<100	
Arochlor 1260	ug/kg					<110	<100	
Arochlor 1262	ug/kg					<110	<100	
Arochlor 1268	ug/kg					<110	<100	
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	38		61	19	570	470	<11
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg		<190		<180	<190	<180	<180
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg		<190		<180	<190	<180	<180
Benzo[b]fluoranthene	ug/kg		<190		<180	<190	<180	<180
Benzo(a)pyrene	ug/kg		<190		<180	<190	<180	<180
Benzo(g,h,i)perylene	ug/kg		<190		<180	<190	<180	<180
Benzo(k)fluoranthene	ug/kg		<190		<180	<190	<180	<180
Carbazole	ug/kg							
Chrysene	ug/kg		<190		<180	<190	<180	<180
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg		<190		<180	<190	<180	<180
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg		<190		<180	<190	<180	<180
Fluorene	ug/kg		<190		<180	<190	<180	<180
Indeno(1,2,3-c,d)pyrene	ug/kg		<190		<180	<190	<180	<180
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
Naphthalene	ug/kg		<190		<180	270	<180	<180
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg		<190		<180	250	<180	<180
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		210		<180	<190	<180	<180
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Acenaphthene	ug/kg		<190		<180	<190	<180	<180
Acetone	ug/kg		<110		<51	<72	<51	<51
Acrylonitrile	ug/kg		<6.8		<3.0	<4.3	<3.1	<3.0

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
Anthracene	ug/kg		<190		<180	<190	<180	<180
Benzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,2,3-Trichlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,2,4-Trichlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,2-Dichlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,3,5-Trimethylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,3-Dichlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,4-Dichlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Bromobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Chlorobenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Ethylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Isopropylbenzene (Cumene)	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
sec-Butylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
tert-Butylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Hexachlorobutadiene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg		<45		<20	<29	<20	<20
trans-1,4-Dichlorobutene	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
Carbon Disulfide	ug/kg		<6.8		<3.0	<4.3	<3.1	<3.0
Carbon Tetrachloride	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
Dichlorodifluoromethane	ug/kg		<23		<10	<14	<10	<10
1,1,1,2-Tetrachloroethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,1,1-Trichloroethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
1,1,2-Trichloroethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
1,1-Dichloroethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Ethylene Dibromide	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
1,2-Dichloroethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Chloroethane	ug/kg		<23		<10	<14	<10	<10
Methyl tert-Butyl ether	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
1,1-Dichloroethylene	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
trans-1,2-Dichloroethylene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Vinyl Chloride	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
Tetrachloroethylene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Tetrahydrofuran	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
Hexanone, 2-	ug/kg		<23		<10	<14	<10	<10
Bromomethane	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
Bromodichloromethane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Chloromethane	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
Dibromochloromethane	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
Methylene Dibromide	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Methylene Chloride	ug/kg		<23		<10	<14	<10	<10
Bromoform	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Chloroform	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
Trichlorofluoromethane	ug/kg		<11		<5.1	<7.2	<5.1	<5.1
2-Methylnaphthalene	ug/kg		<190		<180	<190	<180	<180
Methyl Isobutyl ketone	ug/kg		<23		<10	<14	<10	<10

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-035	SB-035	SB-035	SB-037	SB-038	SB-038	SB-039
	Sample ID	1273766	1273767	1273767	1273869	1273867	1273868	1273871
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/29/2013	01/29/2013	01/29/2013	01/30/2013
	Sample Time	11:38	11:38	11:38	15:05	14:37	14:37	14:11
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-12RE1	13A0643-13	13A0643-13RE1	13A0745-09	13A0745-07	13A0745-08	13A0792-01
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,2-Dibromo-3-Chloropropane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,3-Dichloropropane	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
sec-Dichloropropane	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
1,1-Dichloropropene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
trans-1,3-Dichloropropene	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
cis-1,3-Dichloropropene	ug/kg		<1.1		<0.51	<0.72	<0.51	<0.51
Styrene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Toluene	ug/kg		<2.3		<1.0	1.6	<1.0	<1.0
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
4-Chlorotoluene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Trichloroethylene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
o-Xylene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
Xylenes,m- & p-	ug/kg		<4.5		<2.0	<2.9	<2.0	<2.0
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
n-Butylbenzene	ug/kg		<2.3		<1.0	<1.4	<1.0	<1.0
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
Date PCBs Analyzed	-	01/31/2013		01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013
Date Metals Analyzed	-	01/30/2013		01/30/2013	01/30/2013	01/30/2013	01/30/2013	01/30/2013
Date Organics Analyzed	-	01/30/2013		01/30/2013	01/30/2013	01/30/2013	01/31/2013	01/31/2013
Date Pesticides/Herbicides Analyzed	-	02/01/2013			02/01/2013		02/01/2013	02/01/2013
Date Physical Analyzed	-	01/31/2013		02/01/2013	02/01/2013	02/01/2013	02/01/2013	02/01/2013
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013	01/31/2013
Alachlor	ug/kg	<23			<22		<22	<22
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.9		<2.8	<2.7	<2.8	<2.7	<2.7
Barium	mg/kg	38		41	51	45	41	41
Cadmium	mg/kg	<0.29		<0.28	<0.27	<0.28	<0.27	<0.27
Chromium, Total	mg/kg	10		11	14	14	9.5	7.9
Copper	mg/kg	14		10	9.2	9.8	9.8	11
Lead	mg/kg	32		18	24	15	7.3	6.9
Mercury	mg/kg	0.13		0.036	0.040	0.055	<0.028	<0.028
Nickel	mg/kg	6.3		6.3	7.4	7.7	5.6	4.0
Selenium	mg/kg	<5.7		<5.7	<5.4	<5.5	<5.4	<5.5
Silver	mg/kg	<0.57		<0.57	<0.54	<0.55	<0.54	<0.55
Zinc	mg/kg	37		36	50	42	31	38
Arochlor 1016	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1221	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1232	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1242	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1248	ug/kg	<120		<120	<110	<110	<110	<110

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
Arochlor 1254	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1260	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1262	ug/kg	<120		<120	<110	<110	<110	<110
Arochlor 1268	ug/kg	<120		<120	<110	<110	<110	<110
Aldrin	ug/kg	<5.8			<5.6		<5.6	<5.6
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<7.0			<6.7		<6.7	<6.7
Chlordane	ug/kg	<23			<22		<22	<22
alpha-Hexachlorocyclohexane	ug/kg	<5.8			<5.6		<5.6	<5.6
beta-Hexachlorocyclohexane	ug/kg	<5.8			<5.6		<5.6	<5.6
delta-Hexachlorocyclohexane	ug/kg	<5.8			<5.6		<5.6	<5.6
Lindane	ug/kg	<2.3			<2.2		<2.2	<2.2
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<4.7			<4.5		<4.4	<4.5
Endrin	ug/kg	<9.4			<9.0		<8.9	<9.0
Endrin aldehyde	ug/kg	<9.4			<9.0		<8.9	<9.0
Endrin ketone	ug/kg	<9.4			<9.0		<8.9	<9.0
4,4-DDT	ug/kg	<4.7			<4.5		<4.4	<4.5
Methoxychlor	ug/kg	<58			<56		<56	<56
4,4-DDD	ug/kg	<4.7			<4.5		<4.4	<4.5
4,4-DDE	ug/kg	<4.7			<4.5		<4.4	<4.5
Heptachlor Epoxide	ug/kg	<5.8			<5.6		<5.6	<5.6
Heptachlor	ug/kg	<5.8			<5.6		<5.6	<5.6
Endosulfan Sulfate	ug/kg	<9.4			<9.0		<8.9	<9.0
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<5.8			<5.6		<5.6	<5.6
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<9.4			<9.0		<8.9	<9.0
Toxaphene	ug/kg	<120			<110		<110	<110
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	100		240	150	110	110	96
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	770		<390	<380	250	400	200
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	5300	5300	1400	1600	860	1400	440
Benzo[b]fluoranthene	ug/kg	4400		2500	2000	940	1800	550
Benzo(a)pyrene	ug/kg	3600		1700	1500	770	1600	520
Benzo(g,h,i)perylene	ug/kg	1500		600	560	460	1300	430
Benzo(k)fluoranthene	ug/kg	1600		820	670	330	630	240
Carbazole	ug/kg							
Chrysene	ug/kg	4400		1600	1800	960	1600	500
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	420		<390	<380	<190	<380	<190
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg		11000	2600	3000	1600	2500	850
Fluorene	ug/kg	620		<390	<380	<190	<380	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	1800		890	780	510	1300	460
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
Naphthalene	ug/kg	<200		<390	<380	<190	<380	<190
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg		5700	1200	1400	1200	1700	520
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		10000	1900	2600	1700	2700	860
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Acenaphthene	ug/kg	290		<390	<380	<190	<380	<190
Acetone	ug/kg	<160		<180	<200	<110	<100	<150
Acrylonitrile	ug/kg	<9.8		<11	<12	<6.3	<6.2	<9.2

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
Anthracene	ug/kg	1700		<390	<380	240	<380	<190
Benzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,2,3-Trichlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,2,4-Trichlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,2-Dichlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,3,5-Trimethylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,3-Dichlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,4-Dichlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Bromobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Chlorobenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Ethylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Isopropylbenzene (Cumene)	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
sec-Butylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
tert-Butylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Hexachlorobutadiene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<66		<72	<81	<42	<41	<62
trans-1,4-Dichlorobutene	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
Carbon Disulfide	ug/kg	<9.8		<11	<12	<6.3	<6.2	<9.2
Carbon Tetrachloride	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<33		<36	<41	<21	<21	<31
1,1,1,2-Tetrachloroethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,1,1-Trichloroethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,1,2,2-Tetrachloroethane	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
1,1,2-Trichloroethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<16		<18	<20	<11	<10	<15
1,1-Dichloroethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Ethylene Dibromide	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
1,2-Dichloroethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Chloroethane	ug/kg	<33		<36	<41	<21	<21	<31
Methyl tert-Butyl ether	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
1,1-Dichloroethylene	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
trans-1,2-Dichloroethylene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Vinyl Chloride	ug/kg	<16		<18	<20	<11	<10	<15
Tetrachloroethylene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Tetrahydrofuran	ug/kg	<16		<18	<20	<11	<10	<15
Hexanone, 2-	ug/kg	<33		<36	<41	<21	<21	<31
Bromomethane	ug/kg	<16		<18	<20	<11	<10	<15
Bromodichloromethane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Chloromethane	ug/kg	<16		<18	<20	<11	<10	<15
Dibromochloromethane	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
Methylene Dibromide	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Methylene Chloride	ug/kg	<33		<36	<41	<21	<21	<31
Bromoform	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Chloroform	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
Trichlorofluoromethane	ug/kg	<16		<18	<20	<11	<10	<15
2-Methylnaphthalene	ug/kg	<200		<390	<380	<190	<380	<190
Methyl Isobutyl ketone	ug/kg	<33		<36	<41	<21	<21	<31

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-040	SB-041	SB-041	SB-042	SB-042
	Sample ID	1273811	1273811	1273812	1273813	1273814	1273824	1273828
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	13:20	13:20	13:25	13:45	13:50	15:00	15:00
	Sample Depth	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.5' - 2'	0.0' - 2.5'	0' - 2.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-12	13A0687-22	13A0687-23
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,2-Dibromo-3-Chloropropane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,3-Dichloropropane	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
sec-Dichloropropane	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
1,1-Dichloropropene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
trans-1,3-Dichloropropene	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
cis-1,3-Dichloropropene	ug/kg	<1.6		<1.8	<2.0	<1.1	<1.0	<1.5
Styrene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Toluene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
4-Chlorotoluene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Trichloroethylene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
o-Xylene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
Xylenes,m- & p-	ug/kg	<6.6		<7.2	<8.1	<4.2	<4.1	<6.2
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
n-Butylbenzene	ug/kg	<3.3		<3.6	<4.1	<2.1	<2.1	<3.1
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
Date PCBs Analyzed	-	01/31/2013	01/31/2013	01/31/2013	02/04/2013	02/04/2013		
Date Metals Analyzed	-	01/30/2013	01/30/2013	01/30/2013				
Date Organics Analyzed	-	01/30/2013	01/30/2013	01/31/2013	02/01/2013	02/01/2013		
Date Pesticides/Herbicides Analyzed	-	01/31/2013	01/31/2013					
Date Physical Analyzed	-	02/01/2013	02/01/2013	02/01/2013	02/06/2013	02/06/2013	02/01/2013	02/01/2013
Date Semivolatile Organics Analyzed	-	02/01/2013	02/01/2013	01/31/2013	02/04/2013	02/04/2013	01/31/2013	01/31/2013
Alachlor	ug/kg	<22	<22					
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.6	<2.6	<2.9				
Barium	mg/kg	34	34	34				
Cadmium	mg/kg	<0.26	<0.26	<0.29				
Chromium, Total	mg/kg	8.7	9.0	9.2				
Copper	mg/kg	8.4	7.8	6.2				
Lead	mg/kg	2.0	2.2	5.6				
Mercury	mg/kg	<0.027	<0.027	<0.030				
Nickel	mg/kg	4.8	5.0	5.8				
Selenium	mg/kg	<5.1	<5.3	<5.7				
Silver	mg/kg	<0.51	<0.53	<0.57				
Zinc	mg/kg	15	14	34				
Arochlor 1016	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1221	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1232	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1242	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1248	ug/kg	<110	<110	<120	<100	<110		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
Arochlor 1254	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1260	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1262	ug/kg	<110	<110	<120	<100	<110		
Arochlor 1268	ug/kg	<110	<110	<120	<100	<110		
Aldrin	ug/kg	<5.4	<5.4					
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<6.5	<6.5					
Chlordane	ug/kg	<22	<22					
alpha-Hexachlorocyclohexane	ug/kg	<5.4	<5.4					
beta-Hexachlorocyclohexane	ug/kg	<5.4	<5.4					
delta-Hexachlorocyclohexane	ug/kg	<5.4	<5.4					
Lindane	ug/kg	<2.2	<2.2					
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<4.3	<4.3					
Endrin	ug/kg	<8.7	<8.6					
Endrin aldehyde	ug/kg	<8.7	<8.6					
Endrin ketone	ug/kg	<8.7	<8.6					
4,4-DDT	ug/kg	<4.3	<4.3					
Methoxychlor	ug/kg	<54	<54					
4,4-DDD	ug/kg	<4.3	<4.3					
4,4-DDE	ug/kg	<4.3	<4.3					
Heptachlor Epoxide	ug/kg	<5.4	<5.4					
Heptachlor	ug/kg	<5.4	<5.4					
Endosulfan Sulfate	ug/kg	<8.7	<8.6					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<5.4	<5.4					
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<8.7	<8.6					
Toxaphene	ug/kg	<110	<110					
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	<11	13	27	23	14	24	20
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Benzo[b]fluoranthene	ug/kg	<180	<180	<400	<180	260	<190	<190
Benzo(a)pyrene	ug/kg	<180	<180	<400	<180	220	<190	<190
Benzo(g,h,i)perylene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Benzo(k)fluoranthene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Carbazole	ug/kg							
Chrysene	ug/kg	<180	<180	<400	<180	250	<190	<190
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<180	<180	<400	<180	<180	<190	<190
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<180	<180	<400	190	280	<190	<190
Fluorene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	<180	<180	<400	<180	270	<190	<190
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
Naphthalene	ug/kg	<180	<180	<400	<180	<180	<190	<190
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<180	<180	<400	210	380	<190	<190
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Acenaphthene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Acetone	ug/kg	<160	<270	<100	<110	<53		
Acrylonitrile	ug/kg	<9.6	<16	<6.2	<6.5	<3.2		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
Anthracene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Benzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,2,3-Trichlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,2,4-Trichlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,2-Dichlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,3,5-Trimethylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,3-Dichlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,4-Dichlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Bromobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Chlorobenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Ethylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Isopropylbenzene (Cumene)	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
sec-Butylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
tert-Butylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Hexachlorobutadiene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<64	<110	<41	<43	<21		
trans-1,4-Dichlorobutene	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
Carbon Disulfide	ug/kg	<9.6	<16	<6.2	<6.5	<3.2		
Carbon Tetrachloride	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<32	<54	<21	<22	<11		
1,1,1,2-Tetrachloroethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,1,1-Trichloroethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,1,2,2-Tetrachloroethane	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
1,1,2-Trichloroethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<16	<27	<10	<11	<5.3		
1,1-Dichloroethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Ethylene Dibromide	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
1,2-Dichloroethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Chloroethane	ug/kg	<32	<54	<21	<22	<11		
Methyl tert-Butyl ether	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
1,1-Dichloroethylene	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
trans-1,2-Dichloroethylene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Vinyl Chloride	ug/kg	<16	<27	<10	<11	<5.3		
Tetrachloroethylene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Tetrahydrofuran	ug/kg	<16	<27	<10	<11	<5.3		
Hexanone, 2-	ug/kg	<32	<54	<21	<22	<11		
Bromomethane	ug/kg	<16	<27	<10	<11	<5.3		
Bromodichloromethane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Chloromethane	ug/kg	<16	<27	<10	<11	<5.3		
Dibromochloromethane	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
Methylene Dibromide	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Methylene Chloride	ug/kg	<32	<54	<21	<22	<11		
Bromoform	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Chloroform	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
Trichlorofluoromethane	ug/kg	<16	<27	<10	<11	<5.3		
2-Methylnaphthalene	ug/kg	<180	<180	<400	<180	<180	<190	<190
Methyl Isobutyl ketone	ug/kg	<32	<54	<21	<22	<11		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-043	SB-043	SB-043	SB-045	SB-045	SB-048	SB-049
	Sample ID	1273815	1273816	1273819	1273858	1273860	1273825	1273826
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/28/2013	01/28/2013	01/25/2013	01/25/2013
	Sample Time	14:00	14:00	14:15	14:24	14:24	11:40	14:18
	Sample Depth	0' - 2'	0' - 2'	6' - 8'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-13	13A0687-14	13A0687-17	13A0744-09	13A0744-37	13A0687-24	13A0687-25
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,2-Dibromo-3-Chloropropane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,3-Dichloropropane	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
sec-Dichloropropane	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
1,1-Dichloropropene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
trans-1,3-Dichloropropene	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
cis-1,3-Dichloropropene	ug/kg	<1.6	<2.7	<1.0	<1.1	<0.53		
Styrene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Toluene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
4-Chlorotoluene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Trichloroethylene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
o-Xylene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
Xylenes,m- & p-	ug/kg	<6.4	<11	<4.1	<4.3	<2.1		
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
n-Butylbenzene	ug/kg	<3.2	<5.4	<2.1	<2.2	<1.1		
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-						02/02/2013	02/02/2013
Date Organics Analyzed	-		02/01/2013	02/01/2013	02/01/2013	02/05/2013	02/01/2013	02/01/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/01/2013	02/06/2013	02/06/2013	02/06/2013	02/06/2013	02/05/2013	
Date Semivolatile Organics Analyzed	-	01/31/2013	02/04/2013	02/04/2013	02/04/2013	02/06/2013	02/04/2013	02/04/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg						<2.6	<2.6
Barium	mg/kg						31	89
Cadmium	mg/kg						<0.26	<0.26
Chromium, Total	mg/kg						21	24
Copper	mg/kg						32	19
Lead	mg/kg						5.8	9.4
Mercury	mg/kg						<0.026	<0.027
Nickel	mg/kg						14	16
Selenium	mg/kg						<5.1	<5.1
Silver	mg/kg						<0.51	<0.51
Zinc	mg/kg						26	26
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	43	15	<11	12	<11	<11	
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Benzo[b]fluoranthene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Benzo(a)pyrene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Benzo(g,h,i)perylene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Benzo(k)fluoranthene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Carbazole	ug/kg							
Chrysene	ug/kg	<200	<180	<180	<180	<190	<180	<180
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<200	<180	<180	<180	<190	<180	<180
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Fluorene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Indeno(1,2,3-c,d)pyrene	ug/kg	<200	<180	<180	<180	<190	<180	<180
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
Naphthalene	ug/kg	<200	<180	<180	<180	<190	<180	<180
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	<200	<180	<180	180	<190	<180	<180
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Acenaphthene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Acetone	ug/kg		<110	<95	<93	<47	<95	<51
Acrylonitrile	ug/kg		<6.8	<5.7	<5.6	<2.8	<5.7	<3.0

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
Anthracene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Benzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,2,3-Trichlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,2,4-Trichlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,2-Dichlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,3,5-Trimethylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,3-Dichlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,4-Dichlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Bromobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Chlorobenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Ethylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Isopropylbenzene (Cumene)	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
sec-Butylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
tert-Butylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Hexachlorobutadiene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg		<45	<38	<37	<19	<38	<20
trans-1,4-Dichlorobutene	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
Carbon Disulfide	ug/kg		<6.8	<5.7	<5.6	<2.8	<5.7	<3.0
Carbon Tetrachloride	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
Dichlorodifluoromethane	ug/kg		<23	<19	<19	<9.3	<19	<10
1,1,1,2-Tetrachloroethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,1,1-Trichloroethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,1,2,2-Tetrachloroethane	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
1,1,2-Trichloroethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
1,1-Dichloroethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Ethylene Dibromide	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
1,2-Dichloroethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Chloroethane	ug/kg		<23	<19	<19	<9.3	<19	<10
Methyl tert-Butyl ether	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
1,1-Dichloroethylene	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
trans-1,2-Dichloroethylene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Vinyl Chloride	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
Tetrachloroethylene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Tetrahydrofuran	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
Hexanone, 2-	ug/kg		<23	<19	<19	<9.3	<19	<10
Bromomethane	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
Bromodichloromethane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Chloromethane	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
Dibromochloromethane	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
Methylene Dibromide	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Methylene Chloride	ug/kg		<23	<19	<19	<9.3	<19	<10
Bromoform	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Chloroform	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
Trichlorofluoromethane	ug/kg		<11	<9.5	<9.3	<4.7	<9.5	<5.1
2-Methylnaphthalene	ug/kg	<200	<180	<180	<180	<190	<180	<180
Methyl Isobutyl ketone	ug/kg		<23	<19	<19	<9.3	<19	<10

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-050	SB-051	SB-052	SB-053	SB-054	SB-055	SB-056
	Sample ID	1273827	1273859	1273857	1273856	1273873	1273861	1273862
	Sample Date	01/25/2013	01/28/2013	01/28/2013	01/28/2013	01/30/2013	01/29/2013	01/29/2013
	Sample Time	15:10	15:20	13:20	12:00	14:21	10:30	11:05
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-26	13A0744-10	13A0744-08	13A0744-07	13A0792-03	13A0745-01	13A0745-02
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,2-Dibromo-3-Chloropropane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,3-Dichloropropane	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
sec-Dichloropropane	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
1,1-Dichloropropene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
trans-1,3-Dichloropropene	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
cis-1,3-Dichloropropene	ug/kg		<1.1	<0.95	<0.93	<0.47	<0.95	<0.51
Styrene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Toluene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
4-Chlorotoluene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Trichloroethylene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
o-Xylene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
Xylenes,m- & p-	ug/kg		<4.5	<3.8	<3.7	<1.9	<3.8	<2.0
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
n-Butylbenzene	ug/kg		<2.3	<1.9	<1.9	<0.93	<1.9	<1.0
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	02/02/2013	02/02/2013	02/02/2013	02/01/2013	02/02/2013	02/02/2013	
Date Organics Analyzed	-	02/01/2013	02/01/2013	02/01/2013	01/31/2013	02/01/2013	02/01/2013	02/01/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/05/2013	02/06/2013	02/06/2013	02/06/2013	02/05/2013	02/06/2013	02/06/2013
Date Semivolatile Organics Analyzed	-	02/04/2013	02/04/2013	02/04/2013	02/04/2013	02/04/2013	02/04/2013	02/04/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<3.1	<2.6	<2.6	<2.5	<2.5	<2.5	
Barium	mg/kg	93	31	50	33	14	120	
Cadmium	mg/kg	0.98	<0.26	<0.26	<0.25	<0.25	<0.25	
Chromium, Total	mg/kg	19	6.6	10	8.4	5.3	4.8	
Copper	mg/kg	260	5.6	5.8	5.5	5.9	3.1	
Lead	mg/kg	120	10	7.9	7.5	3.3	3.6	
Mercury	mg/kg	0.17	<0.026	<0.026	<0.026	<0.026	<0.027	
Nickel	mg/kg	8.5	3.5	6.9	4.5	2.8	2.0	
Selenium	mg/kg	<6.3	<5.3	<5.2	<5.0	<5.1	<4.9	
Silver	mg/kg	0.70	0.56	<0.52	<0.50	<0.51	0.57	
Zinc	mg/kg	280	26	26	18	11	40	
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg		<0.31	1.1	<0.44			

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	240	30	140	<11	15	<11	270
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<210	<180	<180	<180	<180	<180	240
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	740	<180	<180	<180	<180	<180	530
Benzo[b]fluoranthene	ug/kg	950	<180	<180	<180	<180	<180	860
Benzo(a)pyrene	ug/kg	770	<180	<180	<180	<180	<180	550
Benzo(g,h,i)perylene	ug/kg	340	<180	<180	<180	<180	<180	230
Benzo(k)fluoranthene	ug/kg	330	<180	<180	<180	<180	<180	330
Carbazole	ug/kg							
Chrysene	ug/kg	920	<180	<180	<180	<180	<180	690
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<210	<180	<180	<180	<180	<180	<210
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	1100	<180	<180	<180	<180	<180	1200
Fluorene	ug/kg	<210	<180	<180	<180	<180	<180	<210
Indeno(1,2,3-c,d)pyrene	ug/kg	520	<180	<180	<180	<180	<180	290
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
Naphthalene	ug/kg	<210	<180	<180	<180	<180	<180	<210
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	1000	<180	<180	<180	<180	<180	640
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	1300	<180	<180	<180	<180	<180	760
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Acenaphthene	ug/kg	<210	<180	<180	<180	<180	<180	<210
Acetone	ug/kg	<110	<93	<93	<110	<48	<79	<100
Acrylonitrile	ug/kg	<6.8	<5.6	<5.6	<6.4	<2.9	<4.7	<6.1

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
Anthracene	ug/kg	<210	<180	<180	<180	<180	<180	<210
Benzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,2,3-Trichlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,2,4-Trichlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,2-Dichlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,3,5-Trimethylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,3-Dichlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,4-Dichlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Bromobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Chlorobenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Ethylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Isopropylbenzene (Cumene)	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
sec-Butylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
tert-Butylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Hexachlorobutadiene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg	<45	<37	<37	<43	<19	<32	<41
trans-1,4-Dichlorobutene	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
Carbon Disulfide	ug/kg	<6.8	<5.6	<5.6	<6.4	<2.9	<4.7	<6.1
Carbon Tetrachloride	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<23	<19	<19	<21	<9.5	<16	<20
1,1,1,2-Tetrachloroethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,1,1-Trichloroethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,1,2,2-Tetrachloroethane	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
1,1,2-Trichloroethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
1,1-Dichloroethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Ethylene Dibromide	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
1,2-Dichloroethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Chloroethane	ug/kg	<23	<19	<19	<21	<9.5	<16	<20
Methyl tert-Butyl ether	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
1,1-Dichloroethylene	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
trans-1,2-Dichloroethylene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Vinyl Chloride	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
Tetrachloroethylene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Tetrahydrofuran	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
Hexanone, 2-	ug/kg	<23	<19	<19	<21	<9.5	<16	<20
Bromomethane	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
Bromodichloromethane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Chloromethane	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
Dibromochloromethane	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
Methylene Dibromide	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Methylene Chloride	ug/kg	<23	<19	<19	<21	<9.5	<16	<20
Bromoform	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Chloroform	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
Trichlorofluoromethane	ug/kg	<11	<9.3	<9.3	<11	<4.8	<7.9	<10
2-Methylnaphthalene	ug/kg	<210	<180	<180	<180	<180	<180	<210
Methyl Isobutyl ketone	ug/kg	<23	<19	<19	<21	<9.5	<16	<20

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-058	SB-059	SB-059	SB-061	SB-062	SB-062	SB-063
	Sample ID	1273870	1273854	1273855	1273853	1273846	1273849	1273835
	Sample Date	01/29/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013	01/28/2013
	Sample Time	15:29	11:13	11:13	10:15	12:01	14:20	10:51
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 1.8'	2' - 4'	8' - 10'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0745-10	13A0744-05	13A0744-06	13A0744-04	13A0744-28	13A0744-31	13A0744-17
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,2-Dibromo-3-Chloropropane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,3-Dichloropropane	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
sec-Dichloropropane	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
1,1-Dichloropropene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
trans-1,3-Dichloropropene	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
cis-1,3-Dichloropropene	ug/kg	<1.1	<0.93	<0.93	<1.1	<0.48	<0.79	<1.0
Styrene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Toluene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
4-Chlorotoluene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Trichloroethylene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
o-Xylene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
Xylenes,m- & p-	ug/kg	<4.5	<3.7	<3.7	<4.3	<1.9	<3.2	<4.1
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
n-Butylbenzene	ug/kg	<2.3	<1.9	<1.9	<2.1	<0.95	<1.6	<2.0
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-							
Date Organics Analyzed	-	02/01/2013	02/01/2013	02/01/2013				
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	02/06/2013	02/06/2013	02/06/2013	08/28/2013	08/28/2013	08/28/2013	
Date Semivolatile Organics Analyzed	-	02/04/2013	02/04/2013	02/04/2013	09/03/2013	08/30/2013	08/30/2013	09/03/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg				<370	<370	<360	<410
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg				<370	<370	<360	<410
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	55	45	40	62	18	47	
3,3'-Dichlorobenzidine	ug/kg				<180	<190	<180	<210
Acenaphthylene	ug/kg	<190	<190	<190	<180	<190	<180	<210
Aniline	ug/kg				<370	<370	<360	<410
3-Nitroaniline	ug/kg				<370	<370	<360	<410
2-Nitroaniline	ug/kg				<370	<370	<360	<410
4-Chloroaniline	ug/kg				<710	<730	<690	<800
4-Nitroaniline	ug/kg				<370	<370	<360	<410
1,2,4,5-Tetrachlorobenzene	ug/kg				<370	<370	<360	<410
Benzo[a]anthracene	ug/kg	320	280	<190	<180	<190	<180	<210
Benzo[b]fluoranthene	ug/kg	390	340	<190	<180	<190	<180	<210
Benzo(a)pyrene	ug/kg	330	320	<190	<180	<190	<180	<210
Benzo(g,h,i)perylene	ug/kg	250	250	<190	<180	<190	<180	<210
Benzo(k)fluoranthene	ug/kg	<190	<190	<190	<180	<190	<180	<210
Carbazole	ug/kg				<180	<190	<180	<210
Chrysene	ug/kg	420	340	<190	<180	<190	<180	<210
2-Methyl-4,6-Dinitrophenol	ug/kg				<370	<370	<360	<410
3-Methyl-4-Chlorophenol	ug/kg				<710	<730	<690	<800
m- & p- Cresol	ug/kg				<370	<370	<360	<410
2-Methylphenol	ug/kg				<370	<370	<360	<410
Di-n-butyl phthalate	ug/kg				<370	<370	<360	<410
Dibenz(a,h)anthracene	ug/kg	<190	<190	<190	<180	<190	<180	<210
n-Nitrosodiphenylamine	ug/kg				<370	<370	<360	<410
Nitrosodi-n-Propylamine	ug/kg				<370	<370	<360	<410
Hexachloroethane	ug/kg				<370	<370	<360	<410
4-Bromophenyl-phenylether	ug/kg				<370	<370	<360	<410
4-Chlorophenylphenyl ether	ug/kg				<370	<370	<360	<410
bis(2-Chloroisopropyl)ether	ug/kg				<370	<370	<360	<410

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg				<370	<370	<360	<410
Fluoranthene	ug/kg	510	400	250	<180	<190	<180	<210
Fluorene	ug/kg	<190	<190	<190	<180	<190	<180	<210
Indeno(1,2,3-c,d)pyrene	ug/kg	360	360	<190	<180	<190	<180	<210
bis(2-Chloroethoxy) Methane	ug/kg				<370	<370	<360	<410
Naphthalene	ug/kg	<4.4	<3.6	<2.0				
Naphthalene	ug/kg	<190	<190	250	<180	<190	<180	<210
2-Chloronaphthalene	ug/kg				<370	<370	<360	<410
Phenanthrene	ug/kg	530	250	540	<180	<190	<180	<210
Phenol	ug/kg				<370	<370	<360	<410
2,4,5-Trichlorophenol	ug/kg				<370	<370	<360	<410
2,4,6-Trichlorophenol	ug/kg				<370	<370	<360	<410
2,4-Dichlorophenol	ug/kg				<370	<370	<360	<410
2,4-Dinitrophenol	ug/kg				<710	<730	<690	<800
2-Nitrophenol	ug/kg				<370	<370	<360	<410
p-Nitrophenol	ug/kg				<710	<730	<690	<800
Pentachlorophenol	ug/kg				<370	<370	<360	<410
Butylbenzylphthalate	ug/kg				<370	<370	<360	<410
Diethyl Phthalate	ug/kg				<370	<370	<360	<410
Dimethyl Phthalate	ug/kg				<370	<370	<360	<410
Di-n-octyl phthalate	ug/kg				<720	<740	<700	<810
Pyrene	ug/kg	780	600	270	<180	<190	<180	<210
Pyridine	ug/kg				<370	<370	<360	<410
bis(2-Ethylhexyl)phthalate	ug/kg				<370	<370	<360	<410
1,2-Dichloropropane	ug/kg	<2.2	<1.8	<1.0				
Acenaphthene	ug/kg	<190	<190	210	<180	<190	<180	<210
Acetone	ug/kg	<110	<89	<51				
Acrylonitrile	ug/kg	<6.7	<5.3	<3.1				

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
Anthracene	ug/kg	<190	<190	<190	<180	<190	<180	<210
Benzene	ug/kg	<2.2	<1.8	<1.0				
1,2,3-Trichlorobenzene	ug/kg	<2.2	<1.8	<1.0				
1,2,4-Trichlorobenzene	ug/kg	<2.2	<1.8	<1.0				
1,2,4-Trichlorobenzene	ug/kg				<370	<370	<360	<410
1,2,4-Trimethylbenzene	ug/kg	<2.2	<1.8	<1.0				
1,2-Dichlorobenzene	ug/kg	<2.2	<1.8	<1.0				
1,3,5-Trimethylbenzene	ug/kg	<2.2	<1.8	<1.0				
1,3-Dichlorobenzene	ug/kg	<2.2	<1.8	<1.0				
1,4-Dichlorobenzene	ug/kg	<2.2	<1.8	<1.0				
Bromobenzene	ug/kg	<2.2	<1.8	<1.0				
Chlorobenzene	ug/kg	<2.2	<1.8	<1.0				
Ethylbenzene	ug/kg	<2.2	<1.8	<1.0				
Isopropylbenzene (Cumene)	ug/kg	<2.2	<1.8	<1.0				
Nitrobenzene	ug/kg				<370	<370	<360	<410
Pentachloronitrobenzene	ug/kg				<370	<370	<360	<410
n-Propylbenzene	ug/kg	<2.2	<1.8	<1.0				
sec-Butylbenzene	ug/kg	<2.2	<1.8	<1.0				
tert-Butylbenzene	ug/kg	<2.2	<1.8	<1.0				
Hexachlorobutadiene	ug/kg	<2.2	<1.8	<1.0				
Hexachlorobutadiene	ug/kg				<370	<370	<360	<410
2-Butanone (MEK)	ug/kg	<44	<36	<20				
trans-1,4-Dichlorobutene	ug/kg	<4.4	<3.6	<2.0				
Carbon Disulfide	ug/kg	<6.7	<5.3	<3.1				
Carbon Tetrachloride	ug/kg	<2.2	<1.8	<1.0				
Isophorone	ug/kg				<370	<370	<360	<410
4-Isopropyltoluene	ug/kg	<2.2	<1.8	<1.0				
Dibenzofuran	ug/kg				<370	<370	<360	<410

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<22	<18	<10				
1,1,1,2-Tetrachloroethane	ug/kg	<2.2	<1.8	<1.0				
1,1,1-Trichloroethane	ug/kg	<2.2	<1.8	<1.0				
1,1,2,2-Tetrachloroethane	ug/kg	<1.1	<0.89	<0.51				
1,1,2-Trichloroethane	ug/kg	<2.2	<1.8	<1.0				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<11	<8.9	<5.1				
1,1-Dichloroethane	ug/kg	<2.2	<1.8	<1.0				
Ethylene Dibromide	ug/kg	<1.1	<0.89	<0.51				
1,2-Dichloroethane	ug/kg	<2.2	<1.8	<1.0				
Chloroethane	ug/kg	<22	<18	<10				
Methyl tert-Butyl ether	ug/kg	<4.4	<3.6	<2.0				
1,1-Dichloroethylene	ug/kg	<4.4	<3.6	<2.0				
trans-1,2-Dichloroethylene	ug/kg	<2.2	<1.8	<1.0				
Vinyl Chloride	ug/kg	<11	<8.9	<5.1				
Tetrachloroethylene	ug/kg	<2.2	<1.8	<1.0				
Tetrahydrofuran	ug/kg	<11	<8.9	<5.1				
Hexanone, 2-	ug/kg	<22	<18	<10				
Bromomethane	ug/kg	<11	<8.9	<5.1				
Bromodichloromethane	ug/kg	<2.2	<1.8	<1.0				
Chloromethane	ug/kg	<11	<8.9	<5.1				
Dibromochloromethane	ug/kg	<1.1	<0.89	<0.51				
Methylene Dibromide	ug/kg	<2.2	<1.8	<1.0				
Methylene Chloride	ug/kg	<22	<18	<10				
Bromoform	ug/kg	<2.2	<1.8	<1.0				
Chloroform	ug/kg	<4.4	<3.6	<2.0				
Trichlorofluoromethane	ug/kg	<11	<8.9	<5.1				
2-Methylnaphthalene	ug/kg	<190	<190	<190	<180	<190	<180	<210
Methyl Isobutyl ketone	ug/kg	<22	<18	<10				

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-063	SB-063	SB-063	SB-300	SB-300	SB-301	SB-301
	Sample ID	1273836	1273837	1273838	1287289	1287290	1287291	1287292
	Sample Date	01/28/2013	01/28/2013	01/28/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	10:55	11:01	11:07	11:10	11:12	11:50	11:55
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0744-18	13A0744-19	13A0744-20	13H1007-01	13H1007-02	13H1007-03	13H1007-04
Constituent	Units							
2-Chlorophenol	ug/kg				<370	<370	<360	<410
1,2,3-Trichloropropane	ug/kg	<2.2	<1.8	<1.0				
1,2-Dibromo-3-Chloropropane	ug/kg	<2.2	<1.8	<1.0				
1,3-Dichloropropane	ug/kg	<1.1	<0.89	<0.51				
sec-Dichloropropane	ug/kg	<2.2	<1.8	<1.0				
1,1-Dichloropropene	ug/kg	<2.2	<1.8	<1.0				
trans-1,3-Dichloropropene	ug/kg	<1.1	<0.89	<0.51				
cis-1,3-Dichloropropene	ug/kg	<1.1	<0.89	<0.51				
Styrene	ug/kg	<2.2	<1.8	<1.0				
Toluene	ug/kg	<2.2	<1.8	<1.0				
2,4-Dinitrotoluene	ug/kg				<370	<370	<360	<410
2,6-Dinitrotoluene	ug/kg				<370	<370	<360	<410
2-Chlorotoluene	ug/kg	<2.2	<1.8	<1.0				
4-Chlorotoluene	ug/kg	<2.2	<1.8	<1.0				
Trichloroethylene	ug/kg	<2.2	<1.8	<1.0				
o-Xylene	ug/kg	<2.2	<1.8	<1.0				
Xylenes,m- & p-	ug/kg	<4.4	<3.6	<2.0				
2,4-Dimethylphenol	ug/kg				<370	<370	<360	<410
cis-1,2-Dichloroethylene	ug/kg	<2.2	<1.8	<1.0				
n-Butylbenzene	ug/kg	<2.2	<1.8	<1.0				
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-					08/28/2013		08/28/2013
Date Organics Analyzed	-					08/29/2013		08/29/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/28/2013		08/30/2013		08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-		08/30/2013	09/03/2013		09/03/2013		09/03/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg					11		<2.8
Barium	mg/kg					45		71
Cadmium	mg/kg					0.41		<0.28
Chromium, Total	mg/kg					11		13
Copper	mg/kg					21		8.8
Lead	mg/kg					41		74
Mercury	mg/kg					0.32		0.044
Nickel	mg/kg					7		6.5
Selenium	mg/kg					<5.1		<5.6
Silver	mg/kg					<0.51		<0.56
Zinc	mg/kg					44		110
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg		<340	<390		<370		<380
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg		<340	<390		<370		<380
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	21	62		47		100	190
3,3'-Dichlorobenzidine	ug/kg		<170	<200		<190		<190
Acenaphthylene	ug/kg		<170	<200		<190		<190
Aniline	ug/kg		<340	<390		<370		<380
3-Nitroaniline	ug/kg		<340	<390		<370		<380
2-Nitroaniline	ug/kg		<340	<390		<370		<380
4-Chloroaniline	ug/kg		<670	<770		<720		<740
4-Nitroaniline	ug/kg		<340	<390		<370		<380
1,2,4,5-Tetrachlorobenzene	ug/kg		<340	<390		<370		<380
Benzo[a]anthracene	ug/kg		<170	<200		<190		720
Benzo[b]fluoranthene	ug/kg		<170	<200		<190		800
Benzo(a)pyrene	ug/kg		<170	<200		<190		650
Benzo(g,h,i)perylene	ug/kg		<170	<200		<190		280
Benzo(k)fluoranthene	ug/kg		<170	<200		<190		320
Carbazole	ug/kg		<170	<200		<190		<190
Chrysene	ug/kg		<170	<200		<190		830
2-Methyl-4,6-Dinitrophenol	ug/kg		<340	<390		<370		<380
3-Methyl-4-Chlorophenol	ug/kg		<670	<770		<720		<740
m- & p- Cresol	ug/kg		<340	<390		<370		<380
2-Methylphenol	ug/kg		<340	<390		<370		<380
Di-n-butyl phthalate	ug/kg		<340	<390		<370		<380
Dibenz(a,h)anthracene	ug/kg		<170	<200		<190		<190
n-Nitrosodiphenylamine	ug/kg		<340	<390		<370		<380
Nitrosodi-n-Propylamine	ug/kg		<340	<390		<370		<380
Hexachloroethane	ug/kg		<340	<390		<370		<380
4-Bromophenyl-phenylether	ug/kg		<340	<390		<370		<380
4-Chlorophenylphenyl ether	ug/kg		<340	<390		<370		<380
bis(2-Chloroisopropyl)ether	ug/kg		<340	<390		<370		<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg		<340	<390		<370		<380
Fluoranthene	ug/kg		<170	210		<190		1100
Fluorene	ug/kg		<170	<200		<190		<190
Indeno(1,2,3-c,d)pyrene	ug/kg		<170	<200		<190		330
bis(2-Chloroethoxy) Methane	ug/kg		<340	<390		<370		<380
Naphthalene	ug/kg					<2.2		<2.7
Naphthalene	ug/kg		<170	<200		<190		<190
2-Chloronaphthalene	ug/kg		<340	<390		<370		<380
Phenanthrene	ug/kg		<170	<200		<190		400
Phenol	ug/kg		<340	<390		<370		<380
2,4,5-Trichlorophenol	ug/kg		<340	<390		<370		<380
2,4,6-Trichlorophenol	ug/kg		<340	<390		<370		<380
2,4-Dichlorophenol	ug/kg		<340	<390		<370		<380
2,4-Dinitrophenol	ug/kg		<670	<770		<720		<740
2-Nitrophenol	ug/kg		<340	<390		<370		<380
p-Nitrophenol	ug/kg		<670	<770		<720		<740
Pentachlorophenol	ug/kg		<340	<390		<370		<380
Butylbenzylphthalate	ug/kg		<340	<390		<370		<380
Diethyl Phthalate	ug/kg		<340	<390		<370		<380
Dimethyl Phthalate	ug/kg		<340	<390		<370		<380
Di-n-octyl phthalate	ug/kg		<680	<780		<730		<750
Pyrene	ug/kg		<170	290		<190		1500
Pyridine	ug/kg		<340	<390		<370		<380
bis(2-Ethylhexyl)phthalate	ug/kg		<340	<390		<370		<380
1,2-Dichloropropane	ug/kg					<1.1		<1.3
Acenaphthene	ug/kg		<170	<200		<190		<190
Acetone	ug/kg					<56		<66
Acrylonitrile	ug/kg					<3.3		<4

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
Anthracene	ug/kg		<170	<200		<190		<190
Benzene	ug/kg					<1.1		<1.3
1,2,3-Trichlorobenzene	ug/kg					<1.1		<1.3
1,2,4-Trichlorobenzene	ug/kg					<1.1		<1.3
1,2,4-Trichlorobenzene	ug/kg		<340	<390		<370		<380
1,2,4-Trimethylbenzene	ug/kg					<1.1		<1.3
1,2-Dichlorobenzene	ug/kg					<1.1		<1.3
1,3,5-Trimethylbenzene	ug/kg					<1.1		<1.3
1,3-Dichlorobenzene	ug/kg					<1.1		<1.3
1,4-Dichlorobenzene	ug/kg					<1.1		<1.3
Bromobenzene	ug/kg					<1.1		<1.3
Chlorobenzene	ug/kg					<1.1		<1.3
Ethylbenzene	ug/kg					<1.1		<1.3
Isopropylbenzene (Cumene)	ug/kg					<1.1		<1.3
Nitrobenzene	ug/kg		<340	<390		<370		<380
Pentachloronitrobenzene	ug/kg		<340	<390		<370		<380
n-Propylbenzene	ug/kg					<1.1		<1.3
sec-Butylbenzene	ug/kg					<1.1		<1.3
tert-Butylbenzene	ug/kg					<1.1		<1.3
Hexachlorobutadiene	ug/kg					<2.2		<2.7
Hexachlorobutadiene	ug/kg		<340	<390		<370		<380
2-Butanone (MEK)	ug/kg					<22		<27
trans-1,4-Dichlorobutene	ug/kg					<2.2		<2.7
Carbon Disulfide	ug/kg					<3.3		<4
Carbon Tetrachloride	ug/kg					<2.2		<2.7
Isophorone	ug/kg		<340	<390		<370		<380
4-Isopropyltoluene	ug/kg					<1.1		<1.3
Dibenzofuran	ug/kg		<340	<390		<370		<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
Dichlorodifluoromethane	ug/kg					<11		<13
1,1,1,2-Tetrachloroethane	ug/kg					<1.1		<1.3
1,1,1-Trichloroethane	ug/kg					<1.1		<1.3
1,1,2,2-Tetrachloroethane	ug/kg					<0.56		<0.66
1,1,2-Trichloroethane	ug/kg					<1.1		<1.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg					<5.6		<6.6
1,1-Dichloroethane	ug/kg					<1.1		<1.3
Ethylene Dibromide	ug/kg					<1.1		<1.3
1,2-Dichloroethane	ug/kg					<1.1		<1.3
Chloroethane	ug/kg					<11		<13
Methyl tert-Butyl ether	ug/kg					<2.2		<2.7
1,1-Dichloroethylene	ug/kg					<2.2		<2.7
trans-1,2-Dichloroethylene	ug/kg					<1.1		<1.3
Vinyl Chloride	ug/kg					<5.6		<6.6
Tetrachloroethylene	ug/kg					<1.1		<1.3
Tetrahydrofuran	ug/kg					<5.6		<6.6
Hexanone, 2-	ug/kg					<11		<13
Bromomethane	ug/kg					<5.6		<6.6
Bromodichloromethane	ug/kg					<1.1		<1.3
Chloromethane	ug/kg					<5.6		<6.6
Dibromochloromethane	ug/kg					<0.56		<0.66
Methylene Dibromide	ug/kg					<1.1		<1.3
Methylene Chloride	ug/kg					<11		<13
Bromoform	ug/kg					<1.1		<1.3
Chloroform	ug/kg					<2.2		<2.7
Trichlorofluoromethane	ug/kg					<5.6		<6.6
2-Methylnaphthalene	ug/kg		<170	<200		<190		<190
Methyl Isobutyl ketone	ug/kg					<11		<13

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-301	SB-302	SB-302	SB-302	SB-303	SB-303	SB-304
	Sample ID	1287292	1287293	1287294	1287294	1287295	1287295	1287297
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	11:55	12:15	12:20	12:20	12:38	12:38	13:15
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 4'	0' - 4'	0' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-04RE1	13H1007-05	13H1007-06	13H1007-06RE1	13H1007-07	13H1007-07RE1	13H1007-09
Constituent	Units							
2-Chlorophenol	ug/kg		<340	<390		<370		<380
1,2,3-Trichloropropane	ug/kg					<1.1		<1.3
1,2-Dibromo-3-Chloropropane	ug/kg					<2.2		<2.7
1,3-Dichloropropane	ug/kg					<0.56		<0.66
sec-Dichloropropane	ug/kg					<1.1		<1.3
1,1-Dichloropropene	ug/kg					<1.1		<1.3
trans-1,3-Dichloropropene	ug/kg					<5.6		<6.6
cis-1,3-Dichloropropene	ug/kg					<2.2		<2.7
Styrene	ug/kg					<1.1		<1.3
Toluene	ug/kg					<1.1		<1.3
2,4-Dinitrotoluene	ug/kg		<340	<390		<370		<380
2,6-Dinitrotoluene	ug/kg		<340	<390		<370		<380
2-Chlorotoluene	ug/kg					<1.1		<1.3
4-Chlorotoluene	ug/kg					<1.1		<1.3
Trichloroethylene	ug/kg					<1.1		<1.3
o-Xylene	ug/kg					<1.1		<1.3
Xylenes,m- & p-	ug/kg					<2.2		<2.7
2,4-Dimethylphenol	ug/kg		<340	<390		<370		<380
cis-1,2-Dichloroethylene	ug/kg					<1.1		<1.3
n-Butylbenzene	ug/kg					<2.2		<2.7
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/28/2013						
Date Organics Analyzed	-	08/29/2013						
Date Pesticides/Herbicides Analyzed	-				08/27/2013	08/29/2013		
Date Physical Analyzed	-	08/28/2013	08/28/2013	08/28/2013			08/28/2013	
Date Semivolatile Organics Analyzed	-	09/03/2013	09/03/2013	08/30/2013			09/03/2013	09/03/2013
Alachlor	ug/kg					<35		
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	3.7						
Barium	mg/kg	110						
Cadmium	mg/kg	<0.27						
Chromium, Total	mg/kg	19						
Copper	mg/kg	14						
Lead	mg/kg	30						
Mercury	mg/kg	0.087						
Nickel	mg/kg	8						
Selenium	mg/kg	<5.4						
Silver	mg/kg	<0.54						
Zinc	mg/kg	44						
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg					<8.8		
Hexachlorobenzene	ug/kg	<380	<350	<350			<350	<390
Hexachlorobenzene	ug/kg					<11		
Chlordane	ug/kg					<35		
alpha-Hexachlorocyclohexane	ug/kg					<8.8		
beta-Hexachlorocyclohexane	ug/kg					<8.8		
delta-Hexachlorocyclohexane	ug/kg					<8.8		
Lindane	ug/kg					<3.5		
Hexachlorocyclopentadiene	ug/kg	<380	<350	<350			<350	<390
Dieldrin	ug/kg					<7.1		
Endrin	ug/kg					<14		
Endrin aldehyde	ug/kg				<14			
Endrin ketone	ug/kg					<14		
4,4-DDT	ug/kg					<7.1		
Methoxychlor	ug/kg					<88		
4,4-DDD	ug/kg					20		
4,4-DDE	ug/kg					<7.1		
Heptachlor Epoxide	ug/kg					<8.8		
Heptachlor	ug/kg					<8.8		
Endosulfan Sulfate	ug/kg					<14		
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg					<8.8		
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg					<14		
Toxaphene	ug/kg					<180		
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	110	47	17			39	
3,3'-Dichlorobenzidine	ug/kg	<190	<170	<170			<170	<200
Acenaphthylene	ug/kg	<190	<170	<170			<170	<200
Aniline	ug/kg	<380	<350	<350			<350	<390
3-Nitroaniline	ug/kg	<380	<350	<350			<350	<390
2-Nitroaniline	ug/kg	<380	<350	<350			<350	<390
4-Chloroaniline	ug/kg	<740	<680	<680			<680	<760
4-Nitroaniline	ug/kg	<380	<350	<350			<350	<390
1,2,4,5-Tetrachlorobenzene	ug/kg	<380	<350	<350			<350	<390
Benzo[a]anthracene	ug/kg	730	<170	<170			<170	<200
Benzo[b]fluoranthene	ug/kg	920	<170	<170			<170	<200
Benzo(a)pyrene	ug/kg	720	<170	<170			<170	<200
Benzo(g,h,i)perylene	ug/kg	370	<170	<170			<170	<200
Benzo(k)fluoranthene	ug/kg	320	<170	<170			<170	<200
Carbazole	ug/kg	<190	<170	<170			<170	<200
Chrysene	ug/kg	950	<170	<170			<170	<200
2-Methyl-4,6-Dinitrophenol	ug/kg	<380	<350	<350			<350 V-	<390 V-
3-Methyl-4-Chlorophenol	ug/kg	<740	<680	<680			<680	<760
m- & p- Cresol	ug/kg	<380	<350	<350			<350	<390
2-Methylphenol	ug/kg	<380	<350	<350			<350	<390
Di-n-butyl phthalate	ug/kg	<380	<350	<350			<350	<390
Dibenz(a,h)anthracene	ug/kg	<190	<170	<170			<170	<200
n-Nitrosodiphenylamine	ug/kg	<380	<350	<350			<350	<390
Nitrosodi-n-Propylamine	ug/kg	<380	<350	<350			<350	<390
Hexachloroethane	ug/kg	<380	<350	<350			<350	<390
4-Bromophenyl-phenylether	ug/kg	<380	<350	<350			<350	<390
4-Chlorophenylphenyl ether	ug/kg	<380	<350	<350			<350	<390
bis(2-Chloroisopropyl)ether	ug/kg	<380	<350	<350			<350	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<380	<350	<350			<350	<390
Fluoranthene	ug/kg	1400	<170	<170			<170	<200
Fluorene	ug/kg	<190	<170	<170			<170	<200
Indeno(1,2,3-c,d)pyrene	ug/kg	410	<170	<170			<170	<200
bis(2-Chloroethoxy) Methane	ug/kg	<380	<350	<350			<350	<390
Naphthalene	ug/kg	<3.2						
Naphthalene	ug/kg	<190	<170	<170			<170	<200
2-Chloronaphthalene	ug/kg	<380	<350	<350			<350	<390
Phenanthrene	ug/kg	1600	<170	<170			<170	<200
Phenol	ug/kg	<380	<350	<350			<350	<390
2,4,5-Trichlorophenol	ug/kg	<380	<350	<350			<350	<390
2,4,6-Trichlorophenol	ug/kg	<380	<350	<350			<350	<390
2,4-Dichlorophenol	ug/kg	<380	<350	<350			<350	<390
2,4-Dinitrophenol	ug/kg	<740	<680	<680			<680	<760
2-Nitrophenol	ug/kg	<380	<350	<350			<350	<390
p-Nitrophenol	ug/kg	<740	<680	<680			<680	<760
Pentachlorophenol	ug/kg	<380	<350	<350			<350	<390
Butylbenzylphthalate	ug/kg	<380	<350	<350			<350	<390
Diethyl Phthalate	ug/kg	<380	<350	<350			<350	<390
Dimethyl Phthalate	ug/kg	<380	<350	<350			<350	<390
Di-n-octyl phthalate	ug/kg	<750	<690	<690			<690	<770
Pyrene	ug/kg	2200	<170	<170			<170	<200
Pyridine	ug/kg	<380	<350	<350			<350	<390
bis(2-Ethylhexyl)phthalate	ug/kg	<380	<350	<350			<350	<390
1,2-Dichloropropane	ug/kg	<1.6						
Acenaphthene	ug/kg	<190	<170	<170			<170	<200
Acetone	ug/kg	<79						
Acrylonitrile	ug/kg	<4.8						

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
Anthracene	ug/kg	<190	<170	<170			<170	<200
Benzene	ug/kg	<1.6						
1,2,3-Trichlorobenzene	ug/kg	<1.6						
1,2,4-Trichlorobenzene	ug/kg	<1.6						
1,2,4-Trichlorobenzene	ug/kg	<380	<350	<350			<350	<390
1,2,4-Trimethylbenzene	ug/kg	<1.6						
1,2-Dichlorobenzene	ug/kg	<1.6						
1,3,5-Trimethylbenzene	ug/kg	<1.6						
1,3-Dichlorobenzene	ug/kg	<1.6						
1,4-Dichlorobenzene	ug/kg	<1.6						
Bromobenzene	ug/kg	<1.6						
Chlorobenzene	ug/kg	<1.6						
Ethylbenzene	ug/kg	<1.6						
Isopropylbenzene (Cumene)	ug/kg	<1.6						
Nitrobenzene	ug/kg	<380	<350	<350			<350	<390
Pentachloronitrobenzene	ug/kg	<380	<350	<350			<350 V-	<390 V-
n-Propylbenzene	ug/kg	<1.6						
sec-Butylbenzene	ug/kg	<1.6						
tert-Butylbenzene	ug/kg	<1.6						
Hexachlorobutadiene	ug/kg	<3.2						
Hexachlorobutadiene	ug/kg	<380	<350	<350			<350	<390
2-Butanone (MEK)	ug/kg	<32						
trans-1,4-Dichlorobutene	ug/kg	<3.2						
Carbon Disulfide	ug/kg	<4.8						
Carbon Tetrachloride	ug/kg	<3.2						
Isophorone	ug/kg	<380	<350	<350			<350	<390
4-Isopropyltoluene	ug/kg	<1.6						
Dibenzofuran	ug/kg	<380	<350	<350			<350	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<16						
1,1,1,2-Tetrachloroethane	ug/kg	<1.6						
1,1,1-Trichloroethane	ug/kg	<1.6						
1,1,2,2-Tetrachloroethane	ug/kg	<0.79						
1,1,2-Trichloroethane	ug/kg	<1.6						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<7.9						
1,1-Dichloroethane	ug/kg	<1.6						
Ethylene Dibromide	ug/kg	<1.6						
1,2-Dichloroethane	ug/kg	<1.6						
Chloroethane	ug/kg	<16						
Methyl tert-Butyl ether	ug/kg	<3.2						
1,1-Dichloroethylene	ug/kg	<3.2						
trans-1,2-Dichloroethylene	ug/kg	<1.6						
Vinyl Chloride	ug/kg	<7.9						
Tetrachloroethylene	ug/kg	<1.6						
Tetrahydrofuran	ug/kg	<7.9						
Hexanone, 2-	ug/kg	<16						
Bromomethane	ug/kg	<7.9						
Bromodichloromethane	ug/kg	<1.6						
Chloromethane	ug/kg	<7.9						
Dibromochloromethane	ug/kg	<0.79						
Methylene Dibromide	ug/kg	<1.6						
Methylene Chloride	ug/kg	<16						
Bromoform	ug/kg	<1.6						
Chloroform	ug/kg	<3.2						
Trichlorofluoromethane	ug/kg	<7.9						
2-Methylnaphthalene	ug/kg	<190	<170	<170			<170	<200
Methyl Isobutyl ketone	ug/kg	<16						

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-305	SB-306	SB-306	SB-306	SB-306	SB-307	SB-307
	Sample ID	1287302	1287299	1287300	1287301	1287301	1287304	1287305
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013
	Sample Time	14:44	14:10	14:15	14:25	14:25	15:05	15:10
	Sample Depth	0' - 4'	0' - 2'	2' - 4'	4' - 8'	4' - 8'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-14	13H1007-11	13H1007-12	13H1007-13	13H1007-13RE1	13H1007-16	13H1007-17
Constituent	Units							
2-Chlorophenol	ug/kg	<380	<350	<350			<350	<390
1,2,3-Trichloropropane	ug/kg	<1.6						
1,2-Dibromo-3-Chloropropane	ug/kg	<3.2						
1,3-Dichloropropane	ug/kg	<0.79						
sec-Dichloropropane	ug/kg	<1.6						
1,1-Dichloropropene	ug/kg	<1.6						
trans-1,3-Dichloropropene	ug/kg	<7.9						
cis-1,3-Dichloropropene	ug/kg	<3.2						
Styrene	ug/kg	<1.6						
Toluene	ug/kg	<1.6						
2,4-Dinitrotoluene	ug/kg	<380	<350	<350			<350	<390
2,6-Dinitrotoluene	ug/kg	<380	<350	<350			<350	<390
2-Chlorotoluene	ug/kg	<1.6						
4-Chlorotoluene	ug/kg	<1.6						
Trichloroethylene	ug/kg	<1.6						
o-Xylene	ug/kg	<1.6						
Xylenes,m- & p-	ug/kg	<3.2						
2,4-Dimethylphenol	ug/kg	<380	<350	<350			<350	<390
cis-1,2-Dichloroethylene	ug/kg	<1.6						
n-Butylbenzene	ug/kg	<3.2						
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-							08/29/2013
Date Organics Analyzed	-							08/29/2013
Date Pesticides/Herbicides Analyzed	-		08/27/2013	08/29/2013				
Date Physical Analyzed	-	08/30/2013			08/28/2013		08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-				09/03/2013	09/03/2013		08/30/2013
Alachlor	ug/kg			<25				
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							<2.8
Barium	mg/kg							51
Cadmium	mg/kg							0.42
Chromium, Total	mg/kg							13
Copper	mg/kg							17
Lead	mg/kg							66
Mercury	mg/kg							0.07
Nickel	mg/kg							7.3
Selenium	mg/kg							<5.6
Silver	mg/kg							<0.56
Zinc	mg/kg							69
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg			<6.3 V-				
Hexachlorobenzene	ug/kg				<370	<430		<1500
Hexachlorobenzene	ug/kg			<7.6				
Chlordane	ug/kg			<25				
alpha-Hexachlorocyclohexane	ug/kg			<6.3 V-				
beta-Hexachlorocyclohexane	ug/kg			<6.3				
delta-Hexachlorocyclohexane	ug/kg			<6.3 V-				
Lindane	ug/kg			<2.5 V-				
Hexachlorocyclopentadiene	ug/kg				<370	<430		<1500
Dieldrin	ug/kg			<5.0				
Endrin	ug/kg			<10 V-				
Endrin aldehyde	ug/kg		<10					
Endrin ketone	ug/kg			<10				
4,4-DDT	ug/kg			<5.0 V-				
Methoxychlor	ug/kg			<63				
4,4-DDD	ug/kg			<5.0 V-				
4,4-DDE	ug/kg			<5.0 V-				
Heptachlor Epoxide	ug/kg			<6.3				
Heptachlor	ug/kg			<6.3				
Endosulfan Sulfate	ug/kg			<10				
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg			<6.3 V-				
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg			<10 V-				
Toxaphene	ug/kg			<130				
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	40			62		97	710
3,3'-Dichlorobenzidine	ug/kg				<190	<210		<760
Acenaphthylene	ug/kg				<190	<210		<760
Aniline	ug/kg				<370	<430		<1500
3-Nitroaniline	ug/kg				<370	<430		<1500
2-Nitroaniline	ug/kg				<370	<430		<1500
4-Chloroaniline	ug/kg				<730	<830		<3000
4-Nitroaniline	ug/kg				<370	<430		<1500
1,2,4,5-Tetrachlorobenzene	ug/kg				<370	<430		<1500
Benzo[a]anthracene	ug/kg				<190	<210		2400
Benzo[b]fluoranthene	ug/kg				<190	<210		2800
Benzo(a)pyrene	ug/kg				<190	<210		2200
Benzo(g,h,i)perylene	ug/kg				<190	<210		1500
Benzo(k)fluoranthene	ug/kg				<190	<210		1100
Carbazole	ug/kg				<190	<210		<760
Chrysene	ug/kg				<190	<210		3000
2-Methyl-4,6-Dinitrophenol	ug/kg				<370 V-	<430 V-		<1500
3-Methyl-4-Chlorophenol	ug/kg				<730	<830		<3000
m- & p- Cresol	ug/kg				<370	<430		<1500
2-Methylphenol	ug/kg				<370	<430		<1500
Di-n-butyl phthalate	ug/kg				<370	<430		<1500
Dibenz(a,h)anthracene	ug/kg				<190	<210		<760
n-Nitrosodiphenylamine	ug/kg				<370	<430		<1500
Nitrosodi-n-Propylamine	ug/kg				<370	<430		<1500
Hexachloroethane	ug/kg				<370	<430		<1500
4-Bromophenyl-phenylether	ug/kg				<370	<430		<1500
4-Chlorophenylphenyl ether	ug/kg				<370	<430		<1500
bis(2-Chloroisopropyl)ether	ug/kg				<370	<430		<1500

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg				<370	<430		<1500
Fluoranthene	ug/kg				<190	<210		5000
Fluorene	ug/kg				<190	<210		870
Indeno(1,2,3-c,d)pyrene	ug/kg				<190	<210		1600
bis(2-Chloroethoxy) Methane	ug/kg				<370	<430		<1500
Naphthalene	ug/kg							<2.8
Naphthalene	ug/kg				<190	<210		<760
2-Chloronaphthalene	ug/kg				<370	<430		<1500
Phenanthrene	ug/kg				<190	<210		5500
Phenol	ug/kg				<370	<430		<1500
2,4,5-Trichlorophenol	ug/kg				<370	<430		<1500
2,4,6-Trichlorophenol	ug/kg				<370	<430		<1500
2,4-Dichlorophenol	ug/kg				<370	<430		<1500
2,4-Dinitrophenol	ug/kg				<730	<830		<3000
2-Nitrophenol	ug/kg				<370	<430		<1500
p-Nitrophenol	ug/kg				<730	<830		<3000
Pentachlorophenol	ug/kg				<370	<430		<1500
Butylbenzylphthalate	ug/kg				<370	<430		<1500
Diethyl Phthalate	ug/kg				<370	<430		<1500
Dimethyl Phthalate	ug/kg				<370	<430		<1500
Di-n-octyl phthalate	ug/kg				<740	<840		<3000
Pyrene	ug/kg				<190	<210		6600
Pyridine	ug/kg				<370	<430		<1500
bis(2-Ethylhexyl)phthalate	ug/kg				<370	<430		<1500
1,2-Dichloropropane	ug/kg							<1.4
Acenaphthene	ug/kg				<190	<210		<760
Acetone	ug/kg							<71
Acrylonitrile	ug/kg							<4.2

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
Anthracene	ug/kg				<190	<210		810
Benzene	ug/kg							<1.4
1,2,3-Trichlorobenzene	ug/kg							<1.4
1,2,4-Trichlorobenzene	ug/kg							<1.4
1,2,4-Trichlorobenzene	ug/kg				<370	<430		<1500
1,2,4-Trimethylbenzene	ug/kg							<1.4
1,2-Dichlorobenzene	ug/kg							<1.4
1,3,5-Trimethylbenzene	ug/kg							<1.4
1,3-Dichlorobenzene	ug/kg							<1.4
1,4-Dichlorobenzene	ug/kg							<1.4
Bromobenzene	ug/kg							<1.4
Chlorobenzene	ug/kg							<1.4
Ethylbenzene	ug/kg							<1.4
Isopropylbenzene (Cumene)	ug/kg							<1.4
Nitrobenzene	ug/kg				<370	<430		<1500
Pentachloronitrobenzene	ug/kg				<370 V-	<430 V-		<1500
n-Propylbenzene	ug/kg							<1.4
sec-Butylbenzene	ug/kg							<1.4
tert-Butylbenzene	ug/kg							<1.4
Hexachlorobutadiene	ug/kg							<1.4
Hexachlorobutadiene	ug/kg				<370	<430		<1500
2-Butanone (MEK)	ug/kg							<28
trans-1,4-Dichlorobutene	ug/kg							<2.8
Carbon Disulfide	ug/kg							<4.2
Carbon Tetrachloride	ug/kg							<1.4
Isophorone	ug/kg				<370	<430		<1500
4-Isopropyltoluene	ug/kg							<1.4
Dibenzofuran	ug/kg				<370	<430		<1500

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
Dichlorodifluoromethane	ug/kg							<14
1,1,1,2-Tetrachloroethane	ug/kg							<1.4
1,1,1-Trichloroethane	ug/kg							<1.4
1,1,2,2-Tetrachloroethane	ug/kg							<0.71
1,1,2-Trichloroethane	ug/kg							<1.4
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							<7.1
1,1-Dichloroethane	ug/kg							<1.4
Ethylene Dibromide	ug/kg							<0.71
1,2-Dichloroethane	ug/kg							<1.4
Chloroethane	ug/kg							<14
Methyl tert-Butyl ether	ug/kg							<2.8
1,1-Dichloroethylene	ug/kg							<2.8
trans-1,2-Dichloroethylene	ug/kg							<1.4
Vinyl Chloride	ug/kg							<7.1
Tetrachloroethylene	ug/kg							<1.4
Tetrahydrofuran	ug/kg							<7.1
Hexanone, 2-	ug/kg							<14
Bromomethane	ug/kg							<7.1
Bromodichloromethane	ug/kg							<1.4
Chloromethane	ug/kg							<7.1
Dibromochloromethane	ug/kg							<0.71
Methylene Dibromide	ug/kg							<1.4
Methylene Chloride	ug/kg							<14
Bromoform	ug/kg							<2.8
Chloroform	ug/kg							<2.8
Trichlorofluoromethane	ug/kg							<7.1
2-Methylnaphthalene	ug/kg				<190	<210		<760
Methyl Isobutyl ketone	ug/kg							<14

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-307	SB-307	SB-307	SB-308	SB-308	SB-308	SB-309
	Sample ID	1287305	1287306	1287306	1287307	1287308	1287308	1287309
	Sample Date	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/26/2013	08/27/2013
	Sample Time	15:10	15:15	15:15	15:25	15:30	15:30	10:05
	Sample Depth	2' - 4'	6' - 8'	6' - 8'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1007-17RE1	13H1007-18	13H1007-18RE1	13H1007-19	13H1007-20	13H1007-20RE1	13H1034-01
Constituent	Units							
2-Chlorophenol	ug/kg				<370	<430		<1500
1,2,3-Trichloropropane	ug/kg							<1.4
1,2-Dibromo-3-Chloropropane	ug/kg							<1.4
1,3-Dichloropropane	ug/kg							<0.71
sec-Dichloropropane	ug/kg							<7.1
1,1-Dichloropropene	ug/kg							<1.4
trans-1,3-Dichloropropene	ug/kg							<0.71
cis-1,3-Dichloropropene	ug/kg							<0.71
Styrene	ug/kg							<1.4
Toluene	ug/kg							<1.4
2,4-Dinitrotoluene	ug/kg				<370	<430		<1500
2,6-Dinitrotoluene	ug/kg				<370	<430		<1500
2-Chlorotoluene	ug/kg							<1.4
4-Chlorotoluene	ug/kg							<1.4
Trichloroethylene	ug/kg							<1.4
o-Xylene	ug/kg							<1.4
Xylenes,m- & p-	ug/kg							<2.8
2,4-Dimethylphenol	ug/kg				<370	<430		<1500
cis-1,2-Dichloroethylene	ug/kg							<1.4
n-Butylbenzene	ug/kg							<1.4
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013		
Date Organics Analyzed	-	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/30/2013	08/30/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	09/03/2013	09/03/2013
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	09/04/2013	09/04/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.9	<2.7	<2.9	3.5	<2.8		
Barium	mg/kg	46	50	34	48	47		
Cadmium	mg/kg	0.29	0.27	0.66	0.4	0.39		
Chromium, Total	mg/kg	7.9	7.2	9.7	11	10		
Copper	mg/kg	14	14	42	16	12		
Lead	mg/kg	80	51	31	46	30		
Mercury	mg/kg	0.17	0.034	0.035	0.036	0.077		
Nickel	mg/kg	5.2	4.6	4.9	6.6	5.9		
Selenium	mg/kg	<5.8	<5.4	<5.7	<5.6	<5.7		
Silver	mg/kg	<0.58	<0.54	<0.57	<0.56	<0.57		
Zinc	mg/kg	84	56	97	53	55		
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

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	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	750	430	76	78	32	<12	44
3,3'-Dichlorobenzidine	ug/kg	<790	<760	<190	<380	<190	<200	<200
Acenaphthylene	ug/kg	1300	<760	<190	<380	<190	<200	<200
Aniline	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
3-Nitroaniline	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2-Nitroaniline	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
4-Chloroaniline	ug/kg	<3100	<2900	<750	<1500	<750	R	R
4-Nitroaniline	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
1,2,4,5-Tetrachlorobenzene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Benzo[a]anthracene	ug/kg	7200	<760	1000	610	<190	<200	<200
Benzo[b]fluoranthene	ug/kg	7300	870	1100	780	340	<200	<200
Benzo(a)pyrene	ug/kg	6200	<760	930	560	210	<200	<200
Benzo(g,h,i)perylene	ug/kg	3100	<760	730	<380	230	<200	<200
Benzo(k)fluoranthene	ug/kg	2700	<760	440	<380	<190	<200	<200
Carbazole	ug/kg	<790	<760	240	<380	<190	<200	<200
Chrysene	ug/kg	8000	800	1000	760	260	<200	<200
2-Methyl-4,6-Dinitrophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
3-Methyl-4-Chlorophenol	ug/kg	<3100	<2900	<750	<1500	<750	<790	<780
m- & p- Cresol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2-Methylphenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Di-n-butyl phthalate	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Dibenz(a,h)anthracene	ug/kg	900	<760	<190	<380	<190	<200	<200
n-Nitrosodiphenylamine	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Nitrosodi-n-Propylamine	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Hexachloroethane	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
4-Bromophenyl-phenylether	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
4-Chlorophenylphenyl ether	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
bis(2-Chloroisopropyl)ether	ug/kg	<1600	<1500	<390	<770	<380	<410	<400

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Fluoranthene	ug/kg	13000	900	2500	1100	220	<200	240
Fluorene	ug/kg	1000	<760	<190	<380	<190	<200	<200
Indeno(1,2,3-c,d)pyrene	ug/kg	3500	<760	770	<380	220	<200	<200
bis(2-Chloroethoxy) Methane	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Naphthalene	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
Naphthalene	ug/kg	<790	<760	<190	<380	<190	<200	<200
2-Chloronaphthalene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Phenanthrene	ug/kg	9000	<760	1800	810	<190	<200	<200
Phenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2,4,5-Trichlorophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2,4,6-Trichlorophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2,4-Dichlorophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2,4-Dinitrophenol	ug/kg	<3100	<2900	<750	<1500	<750	<790	<780
2-Nitrophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
p-Nitrophenol	ug/kg	<3100	<2900	<750	<1500	<750	<790	<780
Pentachlorophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Butylbenzylphthalate	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Diethyl Phthalate	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Dimethyl Phthalate	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Di-n-octyl phthalate	ug/kg	<3100	<3000	<760	<1500	<760	<800	<790
Pyrene	ug/kg	16000	1200	2400	1600	310	<200	<200
Pyridine	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
bis(2-Ethylhexyl)phthalate	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
1,2-Dichloropropane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Acenaphthene	ug/kg	<790	<760	<190	<380	<190	<200	<200
Acetone	ug/kg	<83	<50	<64	<71	<120	<60 L-	<66 L-
Acrylonitrile	ug/kg	<5	<3	<3.8	<4.3	<7.4	<3.6	<3.9

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
Anthracene	ug/kg	1500	<760	440	<380	<190	<200	<200
Benzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,2,3-Trichlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,2,4-Trichlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,2,4-Trichlorobenzene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
1,2,4-Trimethylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,2-Dichlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,3,5-Trimethylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,3-Dichlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,4-Dichlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Bromobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Chlorobenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Ethylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Isopropylbenzene (Cumene)	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Nitrobenzene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
Pentachloronitrobenzene	ug/kg	<1600	<1500	<390	<770	<380	<410 V-	<400 V-
n-Propylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
sec-Butylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
tert-Butylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Hexachlorobutadiene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<2.4	<2.6
Hexachlorobutadiene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2-Butanone (MEK)	ug/kg	<33	<20	<26	<28	<50	<24	<26
trans-1,4-Dichlorobutene	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
Carbon Disulfide	ug/kg	<5	<3	<3.8	<4.3	<7.4	<3.6	<3.9
Carbon Tetrachloride	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<2.4	<2.6
Isophorone	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
4-Isopropyltoluene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Dibenzofuran	ug/kg	<1600	<1500	<390	<770	<380	<410	<400

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<17	<10	<13	<14	<25	<12 L-	<13 L-
1,1,1,2-Tetrachloroethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,1,1-Trichloroethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,1,2,2-Tetrachloroethane	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<0.60	<0.66
1,1,2-Trichloroethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0	<6.6
1,1-Dichloroethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Ethylene Dibromide	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<1.2	<1.3
1,2-Dichloroethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Chloroethane	ug/kg	<17	<10	<13	<14	<25	<12	<13
Methyl tert-Butyl ether	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
1,1-Dichloroethylene	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
trans-1,2-Dichloroethylene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Vinyl Chloride	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0	<6.6
Tetrachloroethylene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Tetrahydrofuran	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0	<6.6
Hexanone, 2-	ug/kg	<17	<10	<13	<14	<25	<12	<13
Bromomethane	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0 L-	<6.6 L-
Bromodichloromethane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Chloromethane	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0 L-	<6.6 L-
Dibromochloromethane	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<0.60	<0.66
Methylene Dibromide	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Methylene Chloride	ug/kg	<17	<10	<13	<14	<25	<12 L-	<13 L-
Bromoform	ug/kg	<3.3	<2	<2.6	<2.8	<5	<1.2	<1.3
Chloroform	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
Trichlorofluoromethane	ug/kg	<8.3	<5	<6.4	<7.1	<12	<6.0	<6.6
2-Methylnaphthalene	ug/kg	<790	<760	<190	<380	<190	<200	<200
Methyl Isobutyl ketone	ug/kg	<17	<10	<13	<14	<25	<12	<13

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-309	SB-310	SB-310	SB-311	SB-311	SB-312	SB-312
	Sample ID	1287310	1287312	1287313	1287314	1287315	1287341	1287342
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/28/2013	08/28/2013
	Sample Time	10:10	10:35	10:40	11:10	11:20	15:10	15:20
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	6' - 8'	8' - 10'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-02	13H1034-04	13H1034-05	13H1034-06	13H1034-07	13H1103-22	13H1103-23
Constituent	Units							
2-Chlorophenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
1,2,3-Trichloropropane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
1,2-Dibromo-3-Chloropropane	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<2.4	<2.6
1,3-Dichloropropane	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<0.60	<0.66
sec-Dichloropropane	ug/kg	<8.3	<5	<6.4	<7.1	<12	<1.2	<1.3
1,1-Dichloropropene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
trans-1,3-Dichloropropene	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<6.0	<6.6
cis-1,3-Dichloropropene	ug/kg	<0.83	<0.5	<0.64	<0.71	<1.2	<2.4	<2.6
Styrene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Toluene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
2,4-Dinitrotoluene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2,6-Dinitrotoluene	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
2-Chlorotoluene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
4-Chlorotoluene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Trichloroethylene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
o-Xylene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
Xylenes,m- & p-	ug/kg	<3.3	<2	<2.6	<2.8	<5	<2.4	<2.6
2,4-Dimethylphenol	ug/kg	<1600	<1500	<390	<770	<380	<410	<400
cis-1,2-Dichloroethylene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<1.2	<1.3
n-Butylbenzene	ug/kg	<1.7	<1	<1.3	<1.4	<2.5	<2.4	<2.6
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-		08/29/2013	08/29/2013	08/29/2013		08/29/2013	
Date Organics Analyzed	-	08/30/2013	08/29/2013	08/29/2013	08/29/2013		08/29/2013	
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/03/2013	08/30/2013	08/30/2013	08/30/2013		08/30/2013	
Date Semivolatile Organics Analyzed	-	09/05/2013	08/30/2013	09/03/2013	08/30/2013	09/03/2013	08/30/2013	09/04/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg		<2.8	<2.9	<2.8		<2.8	
Barium	mg/kg		45	42	53		57	
Cadmium	mg/kg		<0.28	<0.29	<0.28		0.34	
Chromium, Total	mg/kg		8.3	11	11		13	
Copper	mg/kg		13	8.7	12		12	
Lead	mg/kg		35	27	41		27	
Mercury	mg/kg		<0.028	0.049	0.049		<0.028	
Nickel	mg/kg		5.9	4.8	6.4		6.8	
Selenium	mg/kg		<5.6	<5.7	<5.6		<5.6	
Silver	mg/kg		<0.56	<0.57	<0.56		<0.56	
Zinc	mg/kg		40	31	56		41	
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	<11	920	23	180		910	
3,3'-Dichlorobenzidine	ug/kg	<190	<750	<190	<390	<780	<770	<3800
Acenaphthylene	ug/kg	<190	1300	<190	1300	1300	2500	<3800
Aniline	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
3-Nitroaniline	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2-Nitroaniline	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
4-Chloroaniline	ug/kg	R	<2900	<750	<1500	<3000	<3000	<15000
4-Nitroaniline	ug/kg	<370 V-	<1500	<390	<780	<1600	<1500	<7700
1,2,4,5-Tetrachlorobenzene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Benzo[a]anthracene	ug/kg	<190	6400	<190	7000	7000	17000	20000
Benzo[b]fluoranthene	ug/kg	<190	7700	<190	7400	7600	16000	18000
Benzo(a)pyrene	ug/kg	<190	6300	<190	6200	6300	13000	17000
Benzo(g,h,i)perylene	ug/kg	<190	2800	<190	2700	2600	5800	6100
Benzo(k)fluoranthene	ug/kg	<190	3100	<190	2600	2700	5900	6900
Carbazole	ug/kg	<190	<750	<190	730	<780	1400	<3800
Chrysene	ug/kg	<190	6900	<190	7300	7400	18000	21000
2-Methyl-4,6-Dinitrophenol	ug/kg	<370 V-	<1500	<390	<780	<1600	<1500	<7700
3-Methyl-4-Chlorophenol	ug/kg	<720	<2900	<750	<1500	<3000	<3000	<15000
m- & p- Cresol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2-Methylphenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Di-n-butyl phthalate	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Dibenz(a,h)anthracene	ug/kg	<190	910	<190	870	840	1900	<3800
n-Nitrosodiphenylamine	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Nitrosodi-n-Propylamine	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Hexachloroethane	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
4-Bromophenyl-phenylether	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
4-Chlorophenylphenyl ether	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
bis(2-Chloroisopropyl)ether	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Fluoranthene	ug/kg	<190	9800	<190	11000	13000	28000	38000
Fluorene	ug/kg	<190	<750	<190	1100	1100	2800	<3800
Indeno(1,2,3-c,d)pyrene	ug/kg	<190	3000	<190	3000	2900	6300	7200
bis(2-Chloroethoxy) Methane	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Naphthalene	ug/kg	<2.6	<2.4	<3.7	<2.6		3.3	
Naphthalene	ug/kg	<190	<750	<190	<390	<780	<770	<3800
2-Chloronaphthalene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Phenanthrene	ug/kg	<190	4400	<190	8600	8900	21000	25000
Phenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2,4,5-Trichlorophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2,4,6-Trichlorophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2,4-Dichlorophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2,4-Dinitrophenol	ug/kg	<720 V-	<2900	<750	<1500	<3000	<3000	<15000
2-Nitrophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
p-Nitrophenol	ug/kg	<720	<2900	<750	<1500	<3000	<3000	<15000
Pentachlorophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Butylbenzylphthalate	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Diethyl Phthalate	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Dimethyl Phthalate	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Di-n-octyl phthalate	ug/kg	<730	<3000	<760	<1500	<3100	<3000	<15000
Pyrene	ug/kg	<190	12000	<190	15000	16000	36000	35000
Pyridine	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
bis(2-Ethylhexyl)phthalate	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
1,2-Dichloropropane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Acenaphthene	ug/kg	<190	<750	<190	470	<780	1000	<3800
Acetone	ug/kg	<65 L-	<61	<92	<64		<56	
Acrylonitrile	ug/kg	<3.9	<3.6	<5.5	<3.9		<3.3	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
Anthracene	ug/kg	<190	940	<190	1800	1800	4100	4400
Benzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,2,3-Trichlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,2,4-Trichlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,2,4-Trichlorobenzene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
1,2,4-Trimethylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,2-Dichlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,3,5-Trimethylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,3-Dichlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,4-Dichlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Bromobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Chlorobenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Ethylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Isopropylbenzene (Cumene)	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Nitrobenzene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
Pentachloronitrobenzene	ug/kg	<370 V-	<1500	<390	<780	<1600	<1500	<7700
n-Propylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
sec-Butylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
tert-Butylbenzene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Hexachlorobutadiene	ug/kg	<2.6	<1.2	<1.8	<1.3		<1.1	
Hexachlorobutadiene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2-Butanone (MEK)	ug/kg	<26	<24	<37	<26		<22	
trans-1,4-Dichlorobutene	ug/kg	<2.6	<2.4	<3.7	<2.6		<2.2	
Carbon Disulfide	ug/kg	<3.9	<3.6	<5.5	<3.9		<3.3	
Carbon Tetrachloride	ug/kg	<2.6	<1.2	<1.8	<1.3		<1.1	
Isophorone	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
4-Isopropyltoluene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Dibenzofuran	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<13 L-	<12	<18	<13		<11	
1,1,1,2-Tetrachloroethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,1,1-Trichloroethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,1,2,2-Tetrachloroethane	ug/kg	<0.65	<0.61	<0.92	<0.64		<0.56	
1,1,2-Trichloroethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<6.5	<6.1	<9.2	<6.4		<5.6	
1,1-Dichloroethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Ethylene Dibromide	ug/kg	<1.3	<0.61	<0.92	<0.64		<0.56	
1,2-Dichloroethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Chloroethane	ug/kg	<13	<12	<18	<13		<11	
Methyl tert-Butyl ether	ug/kg	<2.6	<2.4	<3.7	<2.6		<2.2	
1,1-Dichloroethylene	ug/kg	<2.6	<2.4	<3.7	<2.6		<2.2	
trans-1,2-Dichloroethylene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Vinyl Chloride	ug/kg	<6.5	<6.1	<9.2	<6.4		<5.6	
Tetrachloroethylene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Tetrahydrofuran	ug/kg	<6.5	<6.1	<9.2	<6.4		<5.6	
Hexanone, 2-	ug/kg	<13	<12	<18	<13		<11	
Bromomethane	ug/kg	<6.5 L-	<6.1	<9.2	<6.4		<5.6	
Bromodichloromethane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Chloromethane	ug/kg	<6.5 L-	<6.1	<9.2	<6.4		<5.6	
Dibromochloromethane	ug/kg	<0.65	<0.61	<0.92	<0.64		<0.56	
Methylene Dibromide	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Methylene Chloride	ug/kg	<13 L-	<12	<18	<13		<11	
Bromoform	ug/kg	<1.3	<2.4	<3.7	<2.6		<2.2	
Chloroform	ug/kg	<2.6	<2.4	<3.7	<2.6		<2.2	
Trichlorofluoromethane	ug/kg	<6.5	<6.1	<9.2	<6.4		<5.6	
2-Methylnaphthalene	ug/kg	<190	<750	<190	<390	<780	820	<3800
Methyl Isobutyl ketone	ug/kg	<13	<12	<18	<13		<11	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312	SB-312A	SB-312A	SB-313	SB-313	SB-313	SB-313
	Sample ID	1287343	1287316	1287317	1287319	1287319	1287355	1287355
	Sample Date	08/28/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	15:25	11:35	14:50	12:10	12:10	12:10	12:10
	Sample Depth	10' - 12'	0' - 2'	2' - 4'	0' - 2'	0' - 2'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-24	13H1034-08	13H1034-09	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1
Constituent	Units							
2-Chlorophenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
1,2,3-Trichloropropane	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
1,2-Dibromo-3-Chloropropane	ug/kg	<2.6	<1.2	<1.8	<1.3		<1.1	
1,3-Dichloropropane	ug/kg	<0.65	<0.61	<0.92	<0.64		<0.56	
sec-Dichloropropane	ug/kg	<1.3	<6.1	<9.2	<6.4		<5.6	
1,1-Dichloropropene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
trans-1,3-Dichloropropene	ug/kg	<6.5	<0.61	<0.92	<0.64		<0.56	
cis-1,3-Dichloropropene	ug/kg	<2.6	<0.61	<0.92	<0.64		<0.56	
Styrene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Toluene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
2,4-Dinitrotoluene	ug/kg	<370 V-	<1500	<390	<780	<1600	<1500	<7700
2,6-Dinitrotoluene	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
2-Chlorotoluene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
4-Chlorotoluene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Trichloroethylene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
o-Xylene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
Xylenes,m- & p-	ug/kg	<2.6	<2.4	<3.7	<2.6		<2.2	
2,4-Dimethylphenol	ug/kg	<370	<1500	<390	<780	<1600	<1500	<7700
cis-1,2-Dichloroethylene	ug/kg	<1.3	<1.2	<1.8	<1.3		<1.1	
n-Butylbenzene	ug/kg	<2.6	<1.2	<1.8	<1.3		<1.1	
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
Date PCBs Analyzed	-			08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
Date Metals Analyzed	-	08/29/2013						
Date Organics Analyzed	-	08/29/2013						
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/03/2013	09/11/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Semivolatile Organics Analyzed	-	08/30/2013	09/11/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	09/03/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	3.2						
Barium	mg/kg	74						
Cadmium	mg/kg	0.55						
Chromium, Total	mg/kg	12						
Copper	mg/kg	19						
Lead	mg/kg	110						
Mercury	mg/kg	0.072						
Nickel	mg/kg	5.3						
Selenium	mg/kg	<5.6						
Silver	mg/kg	<0.56						
Zinc	mg/kg	120						
Arochlor 1016	ug/kg			<110	<110	<110	<100	<110
Arochlor 1221	ug/kg			<110	<110	<110	<100	<110
Arochlor 1232	ug/kg			<110	<110	<110	<100	<110
Arochlor 1242	ug/kg			<110	<110	<110	<100	<110
Arochlor 1248	ug/kg			<110	<110	<110	<100	<110

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
Arochlor 1254	ug/kg			<110	<110	<110	<100	<110
Arochlor 1260	ug/kg			<110	<110	<110	<100	<110
Arochlor 1262	ug/kg			<110	<110	<110	<100	<110
Arochlor 1268	ug/kg			<110	<110	<110	<100	<110
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<400	<880	<370	<750	<390	<370	<380
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<400	<880	<370	<750	<390	<370	<380
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	130	790	58	260	210	79	<11
3,3'-Dichlorobenzidine	ug/kg	<200	<440	<190	<370	<200	<190	<190
Acenaphthylene	ug/kg	<200	<440	210	390	300	<190	<190
Aniline	ug/kg	<400	<880	<370	<750	<390	<370	<380
3-Nitroaniline	ug/kg	<400	<880	<370	<750	<390	<370	<380
2-Nitroaniline	ug/kg	<400	<880	<370	<750	<390	<370	<380
4-Chloroaniline	ug/kg	<780	<1700	<720	<1500	<760	<720	<740
4-Nitroaniline	ug/kg	<400	<880	<370	<750	<390	<370	<380
1,2,4,5-Tetrachlorobenzene	ug/kg	<400	<880	<370	<750	<390	<370	<380
Benzo[a]anthracene	ug/kg	240	1600	1000	1800	1100	450	<190
Benzo[b]fluoranthene	ug/kg	370	2000	1300	2200	1600	720	<190
Benzo(a)pyrene	ug/kg	260	1400	1100	1700	1300	580	<190
Benzo(g,h,i)perylene	ug/kg	210	540	670	750	870	460	<190
Benzo(k)fluoranthene	ug/kg	<200	800	440	800	610	280	<190
Carbazole	ug/kg	<200	<440	<190	<370	<200	<190	<190
Chrysene	ug/kg	360	1700	1300	2100	1700	490	<190
2-Methyl-4,6-Dinitrophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
3-Methyl-4-Chlorophenol	ug/kg	<780	<1700	<720	<1500	<760	<720	<740
m- & p- Cresol	ug/kg	<400	<880	<370	<750	<390	<370	<380
2-Methylphenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
Di-n-butyl phthalate	ug/kg	<400	<880	<370	<750	<390	<370	<380
Dibenz(a,h)anthracene	ug/kg	<200	<440	210	<370	210	<190	<190
n-Nitrosodiphenylamine	ug/kg	<400	<880	<370	<750	<390	<370	<380
Nitrosodi-n-Propylamine	ug/kg	<400	<880	<370	<750	<390	<370	<380
Hexachloroethane	ug/kg	<400	<880	<370	<750	<390	<370	<380
4-Bromophenyl-phenylether	ug/kg	<400	<880	<370	<750	<390	<370	<380
4-Chlorophenylphenyl ether	ug/kg	<400	<880	<370	<750	<390	<370	<380
bis(2-Chloroisopropyl)ether	ug/kg	<400	<880	<370	<750	<390	<370	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<400	<880	<370	<750	<390	<370	<380
Fluoranthene	ug/kg	510	3000	1900	2900	2400	660	<190
Fluorene	ug/kg	<200	<440	<190	<370	<200	<190	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	240	600	740	830	960	460	<190
bis(2-Chloroethoxy) Methane	ug/kg	<400	<880	<370	<750	<390	<370	<380
Naphthalene	ug/kg	<4.1						
Naphthalene	ug/kg	<200	<440	<190	<370	<200	<190	<190
2-Chloronaphthalene	ug/kg	<400	<880	<370	<750	<390	<370	<380
Phenanthrene	ug/kg	370	2100	990	1300	1400	590	<190
Phenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
2,4,5-Trichlorophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
2,4,6-Trichlorophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
2,4-Dichlorophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
2,4-Dinitrophenol	ug/kg	<780	<1700	<720	<1500	<760	<720	<740
2-Nitrophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
p-Nitrophenol	ug/kg	<780	<1700	<720	<1500	<760	<720	<740
Pentachlorophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
Butylbenzylphthalate	ug/kg	<400	<880	<370	<750	<390	<370	<380
Diethyl Phthalate	ug/kg	<400	<880	<370	<750	<390	<370	<380
Dimethyl Phthalate	ug/kg	<400	<880	<370	<750	<390	<370	<380
Di-n-octyl phthalate	ug/kg	<790	<1700	<730	<1500	<770	<730	<760
Pyrene	ug/kg	670	3500	2500	3600	3200	880	<190
Pyridine	ug/kg	<400	<880	<370	<750	<390	<370	<380
bis(2-Ethylhexyl)phthalate	ug/kg	<400	<880	<370	<750	<390	<370	<380
1,2-Dichloropropane	ug/kg	<2.1						
Acenaphthene	ug/kg	<200	<440	<190	<370	<200	<190	<190
Acetone	ug/kg	330						
Acrylonitrile	ug/kg	<6.2						

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

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	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
Anthracene	ug/kg	<200	<440	<190	<370	<200	<190	<190
Benzene	ug/kg	<2.1						
1,2,3-Trichlorobenzene	ug/kg	<2.1						
1,2,4-Trichlorobenzene	ug/kg	<2.1						
1,2,4-Trichlorobenzene	ug/kg	<400	<880	<370	<750	<390	<370	<380
1,2,4-Trimethylbenzene	ug/kg	<2.1						
1,2-Dichlorobenzene	ug/kg	<2.1						
1,3,5-Trimethylbenzene	ug/kg	<2.1						
1,3-Dichlorobenzene	ug/kg	<2.1						
1,4-Dichlorobenzene	ug/kg	<2.1						
Bromobenzene	ug/kg	<2.1						
Chlorobenzene	ug/kg	<2.1						
Ethylbenzene	ug/kg	<2.1						
Isopropylbenzene (Cumene)	ug/kg	<2.1						
Nitrobenzene	ug/kg	<400	<880	<370	<750	<390	<370	<380
Pentachloronitrobenzene	ug/kg	<400	<880	<370	<750	<390	<370	<380
n-Propylbenzene	ug/kg	<2.1						
sec-Butylbenzene	ug/kg	<2.1						
tert-Butylbenzene	ug/kg	<2.1						
Hexachlorobutadiene	ug/kg	<2.1						
Hexachlorobutadiene	ug/kg	<400	<880	<370	<750	<390	<370	<380
2-Butanone (MEK)	ug/kg	72						
trans-1,4-Dichlorobutene	ug/kg	<4.1						
Carbon Disulfide	ug/kg	<6.2						
Carbon Tetrachloride	ug/kg	<2.1						
Isophorone	ug/kg	<400	<880	<370	<750	<390	<370	<380
4-Isopropyltoluene	ug/kg	<2.1						
Dibenzofuran	ug/kg	<400	<880	<370	<750	<390	<370	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<21						
1,1,1,2-Tetrachloroethane	ug/kg	<2.1						
1,1,1-Trichloroethane	ug/kg	<2.1						
1,1,2,2-Tetrachloroethane	ug/kg	<1						
1,1,2-Trichloroethane	ug/kg	<2.1						
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<10						
1,1-Dichloroethane	ug/kg	<2.1						
Ethylene Dibromide	ug/kg	<1						
1,2-Dichloroethane	ug/kg	<2.1						
Chloroethane	ug/kg	<21						
Methyl tert-Butyl ether	ug/kg	<4.1						
1,1-Dichloroethylene	ug/kg	<4.1						
trans-1,2-Dichloroethylene	ug/kg	<2.1						
Vinyl Chloride	ug/kg	<10						
Tetrachloroethylene	ug/kg	<2.1						
Tetrahydrofuran	ug/kg	<10						
Hexanone, 2-	ug/kg	<21						
Bromomethane	ug/kg	<10						
Bromodichloromethane	ug/kg	<2.1						
Chloromethane	ug/kg	<10						
Dibromochloromethane	ug/kg	<1						
Methylene Dibromide	ug/kg	<2.1						
Methylene Chloride	ug/kg	<21						
Bromoform	ug/kg	<4.1						
Chloroform	ug/kg	<4.1						
Trichlorofluoromethane	ug/kg	<10						
2-Methylnaphthalene	ug/kg	<200	<440	<190	<370	<200	<190	<190
Methyl Isobutyl ketone	ug/kg	<21						

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-313	SB-313	SB-314A	SB-314A	SB-314A	SB-315A	SB-315A
	Sample ID	1287321	1287320	1287322	1287354	1287323	1287360	1287361
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:20	12:30	13:20	13:21	13:25	13:40	13:50
	Sample Depth	2' - 4'	4' - 6'	0' - 2'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-14	13I0179-01	13H1034-15	13H1034-16	13H1034-17	13H1034-19	13H1034-20
Constituent	Units							
2-Chlorophenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
1,2,3-Trichloropropane	ug/kg	<2.1						
1,2-Dibromo-3-Chloropropane	ug/kg	<2.1						
1,3-Dichloropropane	ug/kg	<1						
sec-Dichloropropane	ug/kg	<10						
1,1-Dichloropropene	ug/kg	<2.1						
trans-1,3-Dichloropropene	ug/kg	<1						
cis-1,3-Dichloropropene	ug/kg	<1						
Styrene	ug/kg	<2.1						
Toluene	ug/kg	<2.1						
2,4-Dinitrotoluene	ug/kg	<400	<880	<370	<750	<390	<370	<380
2,6-Dinitrotoluene	ug/kg	<400	<880	<370	<750	<390	<370	<380
2-Chlorotoluene	ug/kg	<2.1						
4-Chlorotoluene	ug/kg	<2.1						
Trichloroethylene	ug/kg	<2.1						
o-Xylene	ug/kg	<2.1						
Xylenes,m- & p-	ug/kg	<4.1						
2,4-Dimethylphenol	ug/kg	<400	<880	<370	<750	<390	<370	<380
cis-1,2-Dichloroethylene	ug/kg	<2.1						
n-Butylbenzene	ug/kg	<2.1						
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/29/2013	08/29/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	
Date Organics Analyzed	-	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/30/2013	
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/30/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013
Date Semivolatile Organics Analyzed	-	08/30/2013	09/03/2013	09/05/2013	09/05/2013	09/04/2013	09/04/2013	
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.7	<2.8	<2.7	<2.6	<2.5	<2.4	
Barium	mg/kg	37	52	58	61	22	19	
Cadmium	mg/kg	<0.27	0.31	<0.27	<0.26	<0.25	<0.24	
Chromium, Total	mg/kg	8.9	8.3	14	11	5.7	5.5	
Copper	mg/kg	11	12	11	7.5	4.7	5.6	
Lead	mg/kg	23	32	34	19	2.4	2.3	
Mercury	mg/kg	<0.027	0.069	0.057	0.030	<0.026	<0.026	
Nickel	mg/kg	6.2	4.2	7.0	5.0	2.5	2.8	
Selenium	mg/kg	<5.5	<5.5	<5.3	<5.3	<5.0	<4.9	
Silver	mg/kg	<0.55	<0.55	<0.53	<0.53	<0.50	<0.49	
Zinc	mg/kg	34	58	63	35	11	9.8	
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<370	<390	<380	<370	<350	<350	
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<370	<390	<380	<370	<350	<350	
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	150	56	220	50	<10	<10	22
3,3'-Dichlorobenzidine	ug/kg	<190	<200	<190	<190	<180	<180	
Acenaphthylene	ug/kg	<190	<200	<190	<190	<180	<180	
Aniline	ug/kg	<370	<390	<380	<370	<350	<350	
3-Nitroaniline	ug/kg	<370	<390	<380	<370	<350	<350	
2-Nitroaniline	ug/kg	<370	<390	<380	<370	<350	<350	
4-Chloroaniline	ug/kg	<720	<760	R	R	R	R	
4-Nitroaniline	ug/kg	<370	<390	<380 V-	<370 V-	<350	<350	
1,2,4,5-Tetrachlorobenzene	ug/kg	<370	<390	<380	<370	<350	<350	
Benzo[a]anthracene	ug/kg	740	<200	280	290	<180	<180	
Benzo[b]fluoranthene	ug/kg	1100	<200	520	450	<180	<180	
Benzo(a)pyrene	ug/kg	900	<200	360	330	<180	<180	
Benzo(g,h,i)perylene	ug/kg	730	<200	200	220	<180	<180	
Benzo(k)fluoranthene	ug/kg	390	<200	<190	<190	<180	<180	
Carbazole	ug/kg	<190	<200	<190	<190	<180	<180	
Chrysene	ug/kg	830	<200	370	410	<180	<180	
2-Methyl-4,6-Dinitrophenol	ug/kg	<370	<390	<380 V-	<370 V-	<350	<350	
3-Methyl-4-Chlorophenol	ug/kg	<720	<760	<730	<730	<690	<690	
m- & p- Cresol	ug/kg	<370	<390	<380	<370	<350	<350	
2-Methylphenol	ug/kg	<370	<390	<380	<370	<350	<350	
Di-n-butyl phthalate	ug/kg	<370	<390	<380	<370	<350	<350	
Dibenz(a,h)anthracene	ug/kg	210	<200	<190	<190	<180	<180	
n-Nitrosodiphenylamine	ug/kg	<370	<390	<380	<370	<350	<350	
Nitrosodi-n-Propylamine	ug/kg	<370	<390	<380	<370	<350	<350	
Hexachloroethane	ug/kg	<370	<390	<380	<370	<350	<350	
4-Bromophenyl-phenylether	ug/kg	<370	<390	<380	<370	<350	<350	
4-Chlorophenylphenyl ether	ug/kg	<370	<390	<380	<370	<350	<350	
bis(2-Chloroisopropyl)ether	ug/kg	<370	<390	<380	<370	<350	<350	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<370	<390	<380	<370	<350	<350	
Fluoranthene	ug/kg	1400	220	520	690	<180	<180	
Fluorene	ug/kg	<190	<200	<190	<190	<180	<180	
Indeno(1,2,3-c,d)pyrene	ug/kg	740	<200	210	210	<180	<180	
bis(2-Chloroethoxy) Methane	ug/kg	<370	<390	<380	<370	<350	<350	
Naphthalene	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6 MS	
Naphthalene	ug/kg	<190	<200	<190	<190	<180	<180	
2-Chloronaphthalene	ug/kg	<370	<390	<380	<370	<350	<350	
Phenanthrene	ug/kg	970	<200	260	450	<180	<180	
Phenol	ug/kg	<370	<390	<380	<370	<350	<350	
2,4,5-Trichlorophenol	ug/kg	<370	<390	<380	<370	<350	<350	
2,4,6-Trichlorophenol	ug/kg	<370	<390	<380	<370	<350	<350	
2,4-Dichlorophenol	ug/kg	<370	<390	<380	<370	<350	<350	
2,4-Dinitrophenol	ug/kg	<720	<760	<730 V-	<730 V-	<690	<690	
2-Nitrophenol	ug/kg	<370	<390	<380	<370	<350	<350	
p-Nitrophenol	ug/kg	<720	<760	<730	<730	<690	<690 V-	
Pentachlorophenol	ug/kg	<370	<390	<380	<370	<350	<350	
Butylbenzylphthalate	ug/kg	<370	<390	<380	<370	<350	<350	
Diethyl Phthalate	ug/kg	<370	<390	<380	<370	<350	<350	
Dimethyl Phthalate	ug/kg	<370	<390	<380	<370	<350	<350	
Di-n-octyl phthalate	ug/kg	<740	<770	<740	<740	<700	<700	
Pyrene	ug/kg	1600	250	610	810	<180	<180	
Pyridine	ug/kg	<370	<390	<380	<370	<350	<350	
bis(2-Ethylhexyl)phthalate	ug/kg	<370	<390	<380	<370	<350	<350	
1,2-Dichloropropane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Acenaphthene	ug/kg	<190	<200	<190	<190	<180	<180	
Acetone	ug/kg	<82	<100	<79 L-	<67 L-	<60 L-	<66 L-	
Acrylonitrile	ug/kg	<4.9	<6.1	<4.7	<4.0	<3.6	<3.9	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
Anthracene	ug/kg	<190	<200	<190	<190	<180	<180	
Benzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,2,3-Trichlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3 MS	
1,2,4-Trichlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3 MS	
1,2,4-Trichlorobenzene	ug/kg	<370	<390	<380	<370	<350	<350	
1,2,4-Trimethylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,2-Dichlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,3,5-Trimethylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,3-Dichlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,4-Dichlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Bromobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Chlorobenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Ethylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Isopropylbenzene (Cumene)	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Nitrobenzene	ug/kg	<370	<390	<380	<370	<350	<350	
Pentachloronitrobenzene	ug/kg	<370	<390	<380 V-	<370 V-	<350 V-	<350 V-	
n-Propylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
sec-Butylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
tert-Butylbenzene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Hexachlorobutadiene	ug/kg	<1.6	<2	<3.1	<2.7	<2.4	<2.6	
Hexachlorobutadiene	ug/kg	<370	<390	<380	<370	<350	<350	
2-Butanone (MEK)	ug/kg	<33	<41	<31	<27	<24	<26	
trans-1,4-Dichlorobutene	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6	
Carbon Disulfide	ug/kg	<4.9	<6.1	<4.7	<4.0	<3.6	<3.9	
Carbon Tetrachloride	ug/kg	<1.6	<2	<3.1	<2.7	<2.4	<2.6	
Isophorone	ug/kg	<370	<390	<380	<370	<350	<350	
4-Isopropyltoluene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Dibenzofuran	ug/kg	<370	<390	<380	<370	<350	<350	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<16	<20	<16 L-	<13 L-	<12 L-	<13 L-	
1,1,1,2-Tetrachloroethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,1,1-Trichloroethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,1,2,2-Tetrachloroethane	ug/kg	<0.82	<1	<0.79	<0.67	<0.60	<0.66	
1,1,2-Trichloroethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6	
1,1-Dichloroethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Ethylene Dibromide	ug/kg	<0.82	<1	<1.6	<1.3	<1.2	<1.3	
1,2-Dichloroethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Chloroethane	ug/kg	<16	<20	<16	<13	<12	<13	
Methyl tert-Butyl ether	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6	
1,1-Dichloroethylene	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6	
trans-1,2-Dichloroethylene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Vinyl Chloride	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6 MS	
Tetrachloroethylene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Tetrahydrofuran	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6	
Hexanone, 2-	ug/kg	<16	<20	<16	<13	<12	<13 MS	
Bromomethane	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6 L-	
Bromodichloromethane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Chloromethane	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6 L-	
Dibromochloromethane	ug/kg	<0.82	<1	<0.79	<0.67	<0.60	<0.66	
Methylene Dibromide	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Methylene Chloride	ug/kg	<16	<20	<16 L-	<13 L-	<12 L-	<13 L-	
Bromoform	ug/kg	<3.3	<4.1	<1.6	<1.3	<1.2	<1.3	
Chloroform	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6	
Trichlorofluoromethane	ug/kg	<8.2	<10	<7.9	<6.7	<6.0	<6.6	
2-Methylnaphthalene	ug/kg	<190	<200	<190	<190	<180	<180	
Methyl Isobutyl ketone	ug/kg	<16	<20	<16	<13	<12	<13 MS	

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-316A	SB-316A	SB-317	SB-317	SB-318	SB-318	SB-322
	Sample ID	1287363	1287364	1287403	1287404	1287330	1287331	1287335
	Sample Date	08/27/2013	08/27/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:10	14:20	11:55	12:00	13:10	13:15	14:05
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-22	13H1034-23	13H1103-07	13H1103-08	13H1103-11	13H1103-12	13H1103-16
Constituent	Units							
2-Chlorophenol	ug/kg	<370	<390	<380	<370	<350	<350	
1,2,3-Trichloropropane	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
1,2-Dibromo-3-Chloropropane	ug/kg	<1.6	<2	<3.1	<2.7	<2.4	<2.6	
1,3-Dichloropropane	ug/kg	<0.82	<1	<0.79	<0.67	<0.60	<0.66	
sec-Dichloropropane	ug/kg	<8.2	<10	<1.6	<1.3	<1.2	<1.3	
1,1-Dichloropropene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
trans-1,3-Dichloropropene	ug/kg	<0.82	<1	<7.9	<6.7	<6.0	<6.6	
cis-1,3-Dichloropropene	ug/kg	<0.82	<1	<3.1	<2.7	<2.4	<2.6	
Styrene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Toluene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
2,4-Dinitrotoluene	ug/kg	<370	<390	<380 V-	<370 V-	<350	<350	
2,6-Dinitrotoluene	ug/kg	<370	<390	<380	<370	<350	<350	
2-Chlorotoluene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
4-Chlorotoluene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Trichloroethylene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
o-Xylene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
Xylenes,m- & p-	ug/kg	<3.3	<4.1	<3.1	<2.7	<2.4	<2.6	
2,4-Dimethylphenol	ug/kg	<370	<390	<380	<370	<350	<350	
cis-1,2-Dichloroethylene	ug/kg	<1.6	<2	<1.6	<1.3	<1.2	<1.3	
n-Butylbenzene	ug/kg	<1.6	<2	<3.1	<2.7	<2.4	<2.6	
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
Date PCBs Analyzed	-		08/30/2013	08/30/2013	08/30/2013	08/30/2013		
Date Metals Analyzed	-						08/29/2013	08/29/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013		
Date Semivolatile Organics Analyzed	-		09/04/2013	09/04/2013	09/04/2013	09/04/2013	08/30/2013	09/03/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg						<2.8	<2.9
Barium	mg/kg						68	20
Cadmium	mg/kg						0.38	<0.29
Chromium, Total	mg/kg						9.1	7.2
Copper	mg/kg						17	6.4
Lead	mg/kg						190	13
Mercury	mg/kg						0.3	<0.029
Nickel	mg/kg						4.3	4.1
Selenium	mg/kg						<5.6	<5.7
Silver	mg/kg						<0.56	<0.57
Zinc	mg/kg						67	53
Arochlor 1016	ug/kg		<120	<120	<110	<120		
Arochlor 1221	ug/kg		<120	<120	<110	<120		
Arochlor 1232	ug/kg		<120	<120	<110	<120		
Arochlor 1242	ug/kg		<120	<120	<110	<120		
Arochlor 1248	ug/kg		<120	<120	<110	<120		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
Arochlor 1254	ug/kg		<120	<120	<110	<120		
Arochlor 1260	ug/kg		<120	<120	<110	<120		
Arochlor 1262	ug/kg		<120	<120	<110	<120		
Arochlor 1268	ug/kg		<120	<120	<110	<120		
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg		<400	<420	<390	<420	<390	<390
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg		<400	<420	<390	<420	<390	<390
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	14	14	13	13	17		
3,3'-Dichlorobenzidine	ug/kg		<200	<210	<190	<210	<190	<200
Acenaphthylene	ug/kg		<200	<210	<190	<210	<190	<200
Aniline	ug/kg		<400	<420	<390	<420	<390	<390
3-Nitroaniline	ug/kg		<400	<420	<390	<420	<390	<390
2-Nitroaniline	ug/kg		<400	<420	<390	<420	<390	<390
4-Chloroaniline	ug/kg		R	R	R	R	<750	<760
4-Nitroaniline	ug/kg		<400	<420	<390	<420	<390	<390
1,2,4,5-Tetrachlorobenzene	ug/kg		<400	<420	<390	<420	<390	<390
Benzo[a]anthracene	ug/kg		<200	<210	<190	<210	<190	<200
Benzo[b]fluoranthene	ug/kg		<200	<210	<190	<210	<190	<200
Benzo(a)pyrene	ug/kg		<200	<210	<190	<210	<190	<200
Benzo(g,h,i)perylene	ug/kg		<200	<210	<190	<210	<190	<200
Benzo(k)fluoranthene	ug/kg		<200	<210	<190	<210	<190	<200
Carbazole	ug/kg		<200	<210	<190	<210	<190	<200
Chrysene	ug/kg		<200	<210	<190	<210	<190	<200
2-Methyl-4,6-Dinitrophenol	ug/kg		<400	<420	<390	<420	<390	<390
3-Methyl-4-Chlorophenol	ug/kg		<780	<810	<750	<810	<750	<760
m- & p- Cresol	ug/kg		<400	<420	<390	<420	<390	<390
2-Methylphenol	ug/kg		<400	<420	<390	<420	<390	<390
Di-n-butyl phthalate	ug/kg		<400	<420	<390	<420	<390	<390
Dibenz(a,h)anthracene	ug/kg		<200	<210	<190	<210	<190	<200
n-Nitrosodiphenylamine	ug/kg		<400	<420	<390	<420	<390	<390
Nitrosodi-n-Propylamine	ug/kg		<400	<420	<390	<420	<390	<390
Hexachloroethane	ug/kg		<400	<420	<390	<420	<390	<390
4-Bromophenyl-phenylether	ug/kg		<400	<420	<390	<420	<390	<390
4-Chlorophenylphenyl ether	ug/kg		<400	<420	<390	<420	<390	<390
bis(2-Chloroisopropyl)ether	ug/kg		<400	<420	<390	<420	<390	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg		<400	<420	<390	<420	<390	<390
Fluoranthene	ug/kg		<200	<210	<190	<210	<190	<200
Fluorene	ug/kg		<200	<210	<190	<210	<190	<200
Indeno(1,2,3-c,d)pyrene	ug/kg		<200	<210	<190	<210	<190	<200
bis(2-Chloroethoxy) Methane	ug/kg		<400	<420	<390	<420	<390	<390
Naphthalene	ug/kg							
Naphthalene	ug/kg		<200	<210	<190	<210	<190	<200
2-Chloronaphthalene	ug/kg		<400	<420	<390	<420	<390	<390
Phenanthrene	ug/kg		<200	<210	<190	<210	<190	<200
Phenol	ug/kg		<400	<420	<390	<420	<390	<390
2,4,5-Trichlorophenol	ug/kg		<400	<420	<390	<420	<390	<390
2,4,6-Trichlorophenol	ug/kg		<400	<420	<390	<420	<390	<390
2,4-Dichlorophenol	ug/kg		<400	<420	<390	<420	<390	<390
2,4-Dinitrophenol	ug/kg		<780	<810	<750	<810	<750	<760
2-Nitrophenol	ug/kg		<400	<420	<390	<420	<390	<390
p-Nitrophenol	ug/kg		<780	<810	<750	<810	<750	<760
Pentachlorophenol	ug/kg		<400	<420	<390	<420	<390	<390
Butylbenzylphthalate	ug/kg		<400	<420	<390	<420	<390	<390
Diethyl Phthalate	ug/kg		<400	<420	<390	<420	<390	<390
Dimethyl Phthalate	ug/kg		<400	<420	<390	<420	<390	<390
Di-n-octyl phthalate	ug/kg		<790	<820	<770	<820	<760	<770
Pyrene	ug/kg		<200	<210	<190	<210	<190	<200
Pyridine	ug/kg		<400	<420	<390	<420	<390	<390
bis(2-Ethylhexyl)phthalate	ug/kg		<400	<420	<390	<420	<390	<390
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg		<200	<210	<190	<210	<190	<200
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
Anthracene	ug/kg		<200	<210	<190	<210	<190	<200
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg		<400	<420	<390	<420	<390	<390
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg		<400	<420	<390	<420	<390	<390
Pentachloronitrobenzene	ug/kg		<400 V-	<420 V-	<390 V-	<420 V-	<390	<390
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg		<400	<420	<390	<420	<390	<390
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg		<400	<420	<390	<420	<390	<390
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg		<400	<420	<390	<420	<390	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg		<200	<210	<190	<210	<190	<200
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-322	SB-324	SB-324	SB-325	SB-325	SB-326	SB-326
	Sample ID	1287336	1287374	1287375	1287400	1287401	1287366	1287367
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/27/2013	08/27/2013
	Sample Time	14:10	11:00	11:05	11:20	11:25	14:35	14:45
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-17	13H1103-01	13H1103-02	13H1103-04	13H1103-05	13H1034-25	13H1034-26
Constituent	Units							
2-Chlorophenol	ug/kg		<400	<420	<390	<420	<390	<390
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg		<400	<420	<390	<420	<390	<390
2,6-Dinitrotoluene	ug/kg		<400	<420	<390	<420	<390	<390
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg		<400	<420	<390	<420	<390	<390
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/29/2013	08/29/2013	08/30/2013	08/30/2013			
Date Organics Analyzed	-					08/30/2013	08/30/2013	08/29/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-					09/04/2013	09/04/2013	08/30/2013
Date Semivolatile Organics Analyzed	-	09/03/2013	09/03/2013	09/03/2013	09/04/2013			
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.7	<3	<2.7	<2.6			
Barium	mg/kg	140	67	48	110			
Cadmium	mg/kg	<0.27	0.4	0.31	0.35			
Chromium, Total	mg/kg	11	10	15	16			
Copper	mg/kg	8.9	17	13	16			
Lead	mg/kg	33	82	11	8.1			
Mercury	mg/kg	0.027	0.11	0.03	<0.026			
Nickel	mg/kg	4.7	6.3	7.7	6.8			
Selenium	mg/kg	<5.3	<6	<5.4	<5.3			
Silver	mg/kg	<0.53	<0.6	<0.54	<0.53			
Zinc	mg/kg	67	110	30	29			
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<370	<410	<390	<360			
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<370	<410	<390	<360			
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg					66	35	39
3,3'-Dichlorobenzidine	ug/kg	<190	<200	<190	<180			
Acenaphthylene	ug/kg	<190	<200	<190	<180			
Aniline	ug/kg	<370	<410	<390	<360			
3-Nitroaniline	ug/kg	<370	<410	<390	<360			
2-Nitroaniline	ug/kg	<370	<410	<390	<360			
4-Chloroaniline	ug/kg	<720	<790	<750	<700			
4-Nitroaniline	ug/kg	<370	<410	<390	<360			
1,2,4,5-Tetrachlorobenzene	ug/kg	<370	<410	<390	<360			
Benzo[a]anthracene	ug/kg	<190	<200	<190	<180			
Benzo[b]fluoranthene	ug/kg	<190	<200	<190	<180			
Benzo(a)pyrene	ug/kg	<190	<200	<190	<180			
Benzo(g,h,i)perylene	ug/kg	<190	<200	<190	<180			
Benzo(k)fluoranthene	ug/kg	<190	<200	<190	<180			
Carbazole	ug/kg	<190	<200	<190	<180			
Chrysene	ug/kg	<190	<200	<190	<180			
2-Methyl-4,6-Dinitrophenol	ug/kg	<370	<410	<390	<360			
3-Methyl-4-Chlorophenol	ug/kg	<720	<790	<750	<700			
m- & p- Cresol	ug/kg	<370	<410	<390	<360			
2-Methylphenol	ug/kg	<370	<410	<390	<360			
Di-n-butyl phthalate	ug/kg	<370	<410	<390	<360			
Dibenz(a,h)anthracene	ug/kg	<190	<200	<190	<180			
n-Nitrosodiphenylamine	ug/kg	<370	<410	<390	<360			
Nitrosodi-n-Propylamine	ug/kg	<370	<410	<390	<360			
Hexachloroethane	ug/kg	<370	<410	<390	<360			
4-Bromophenyl-phenylether	ug/kg	<370	<410	<390	<360			
4-Chlorophenylphenyl ether	ug/kg	<370	<410	<390	<360			
bis(2-Chloroisopropyl)ether	ug/kg	<370	<410	<390	<360			

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<370	<410	<390	<360			
Fluoranthene	ug/kg	<190	<200	<190	<180			
Fluorene	ug/kg	<190	<200	<190	<180			
Indeno(1,2,3-c,d)pyrene	ug/kg	<190	<200	<190	<180			
bis(2-Chloroethoxy) Methane	ug/kg	<370	<410	<390	<360			
Naphthalene	ug/kg					<4.0	<3.9	<3.6
Naphthalene	ug/kg	<190	<200	<190	<180			
2-Chloronaphthalene	ug/kg	<370	<410	<390	<360			
Phenanthrene	ug/kg	<190	<200	<190	<180			
Phenol	ug/kg	<370	<410	<390	<360			
2,4,5-Trichlorophenol	ug/kg	<370	<410	<390	<360			
2,4,6-Trichlorophenol	ug/kg	<370	<410	<390	<360			
2,4-Dichlorophenol	ug/kg	<370	<410	<390	<360			
2,4-Dinitrophenol	ug/kg	<720	<790	<750	<700			
2-Nitrophenol	ug/kg	<370	<410	<390	<360			
p-Nitrophenol	ug/kg	<720	<790	<750	<700			
Pentachlorophenol	ug/kg	<370	<410	<390	<360			
Butylbenzylphthalate	ug/kg	<370	<410	<390	<360			
Diethyl Phthalate	ug/kg	<370	<410	<390	<360			
Dimethyl Phthalate	ug/kg	<370	<410	<390	<360			
Di-n-octyl phthalate	ug/kg	<730	<800	<760	<710			
Pyrene	ug/kg	<190	<200	<190	<180			
Pyridine	ug/kg	<370	<410	<390	<360			
bis(2-Ethylhexyl)phthalate	ug/kg	<370	<410	<390	<360			
1,2-Dichloropropane	ug/kg					<2.0	<2.0	<1.8
Acenaphthene	ug/kg	<190	<200	<190	<180			
Acetone	ug/kg					<99 L-	<98 L-	<91
Acrylonitrile	ug/kg					<6.0	<5.9	<5.4

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
Anthracene	ug/kg	<190	<200	<190	<180			
Benzene	ug/kg					<2.0	<2.0	<1.8
1,2,3-Trichlorobenzene	ug/kg					<2.0	<2.0	<1.8
1,2,4-Trichlorobenzene	ug/kg					<2.0	<2.0	<1.8
1,2,4-Trichlorobenzene	ug/kg	<370	<410	<390	<360			
1,2,4-Trimethylbenzene	ug/kg					<2.0	<2.0	<1.8
1,2-Dichlorobenzene	ug/kg					<2.0	<2.0	<1.8
1,3,5-Trimethylbenzene	ug/kg					<2.0	<2.0	<1.8
1,3-Dichlorobenzene	ug/kg					<2.0	<2.0	<1.8
1,4-Dichlorobenzene	ug/kg					<2.0	<2.0	<1.8
Bromobenzene	ug/kg					<2.0	<2.0	<1.8
Chlorobenzene	ug/kg					<2.0	<2.0	<1.8
Ethylbenzene	ug/kg					<2.0	<2.0	<1.8
Isopropylbenzene (Cumene)	ug/kg					<2.0	<2.0	<1.8
Nitrobenzene	ug/kg	<370	<410	<390	<360			
Pentachloronitrobenzene	ug/kg	<370	<410	<390	<360			
n-Propylbenzene	ug/kg					<2.0	<2.0	<1.8
sec-Butylbenzene	ug/kg					<2.0	<2.0	<1.8
tert-Butylbenzene	ug/kg					<2.0	<2.0	<1.8
Hexachlorobutadiene	ug/kg					<4.0	<3.9	<1.8
Hexachlorobutadiene	ug/kg	<370	<410	<390	<360			
2-Butanone (MEK)	ug/kg					<40	<39	<36
trans-1,4-Dichlorobutene	ug/kg					<4.0	<3.9	<3.6
Carbon Disulfide	ug/kg					<6.0	<5.9	<5.4
Carbon Tetrachloride	ug/kg					<4.0	<3.9	<1.8
Isophorone	ug/kg	<370	<410	<390	<360			
4-Isopropyltoluene	ug/kg					<2.0	<2.0	<1.8
Dibenzofuran	ug/kg	<370	<410	<390	<360			

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
Dichlorodifluoromethane	ug/kg					<20 L-	<20 L-	<18
1,1,1,2-Tetrachloroethane	ug/kg					<2.0	<2.0	<1.8
1,1,1-Trichloroethane	ug/kg					<2.0	<2.0	<1.8
1,1,2,2-Tetrachloroethane	ug/kg					<0.99	<0.98	<0.91
1,1,2-Trichloroethane	ug/kg					<2.0	<2.0	<1.8
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg					<9.9	<9.8	<9.1
1,1-Dichloroethane	ug/kg					<2.0	<2.0	<1.8
Ethylene Dibromide	ug/kg					<2.0	<2.0	<0.91
1,2-Dichloroethane	ug/kg					<2.0	<2.0	<1.8
Chloroethane	ug/kg					<20	<20	<18
Methyl tert-Butyl ether	ug/kg					<4.0	<3.9	<3.6
1,1-Dichloroethylene	ug/kg					<4.0	<3.9	<3.6
trans-1,2-Dichloroethylene	ug/kg					<2.0	<2.0	<1.8
Vinyl Chloride	ug/kg					<9.9	<9.8	<9.1
Tetrachloroethylene	ug/kg					<2.0	<2.0	<1.8
Tetrahydrofuran	ug/kg					<9.9	<9.8	<9.1
Hexanone, 2-	ug/kg					<20	<20	<18
Bromomethane	ug/kg					<9.9 L-	<9.8 L-	<9.1
Bromodichloromethane	ug/kg					<2.0	<2.0	<1.8
Chloromethane	ug/kg					<9.9 L-	<9.8 L-	<9.1
Dibromochloromethane	ug/kg					<0.99	<0.98	<0.91
Methylene Dibromide	ug/kg					<2.0	<2.0	<1.8
Methylene Chloride	ug/kg					<20 L-	<20 L-	<18
Bromoform	ug/kg					<2.0	<2.0	<3.6
Chloroform	ug/kg					<4.0	<3.9	<3.6
Trichlorofluoromethane	ug/kg					<9.9	<9.8	<9.1
2-Methylnaphthalene	ug/kg	<190	<200	<190	<180			
Methyl Isobutyl ketone	ug/kg					<20	<20	<18

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-327	SB-327	SB-328	SB-328	SB-329	SB-329	SB-330
	Sample ID	1287368	1287369	1287370	1287371	1287408	1287409	1287372
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/29/2013	08/29/2013	08/27/2013
	Sample Time	15:00	15:15	15:30	15:35	12:10	12:20	15:45
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 3'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-27	13H1034-28	13H1034-29	13H1034-30	13H1143-11	13H1143-12	13H1034-31
Constituent	Units							
2-Chlorophenol	ug/kg	<370	<410	<390	<360			
1,2,3-Trichloropropane	ug/kg					<2.0	<2.0	<1.8
1,2-Dibromo-3-Chloropropane	ug/kg					<4.0	<3.9	<1.8
1,3-Dichloropropane	ug/kg					<0.99	<0.98	<0.91
sec-Dichloropropane	ug/kg					<2.0	<2.0	<9.1
1,1-Dichloropropene	ug/kg					<2.0	<2.0	<1.8
trans-1,3-Dichloropropene	ug/kg					<9.9	<9.8	<0.91
cis-1,3-Dichloropropene	ug/kg					<4.0	<3.9	<0.91
Styrene	ug/kg					<2.0	<2.0	<1.8
Toluene	ug/kg					<2.0	<2.0	<1.8
2,4-Dinitrotoluene	ug/kg	<370	<410	<390	<360			
2,6-Dinitrotoluene	ug/kg	<370	<410	<390	<360			
2-Chlorotoluene	ug/kg					<2.0	<2.0	<1.8
4-Chlorotoluene	ug/kg					<2.0	<2.0	<1.8
Trichloroethylene	ug/kg					<2.0	<2.0	<1.8
o-Xylene	ug/kg					<2.0	<2.0	<1.8
Xylenes,m- & p-	ug/kg					<4.0	<3.9	<3.6
2,4-Dimethylphenol	ug/kg	<370	<410	<390	<360			
cis-1,2-Dichloroethylene	ug/kg					<2.0	<2.0	<1.8
n-Butylbenzene	ug/kg					<4.0	<3.9	<1.8
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
Date PCBs Analyzed	-				08/30/2013	08/30/2013	09/05/2013	09/05/2013
Date Metals Analyzed	-							
Date Organics Analyzed	-	08/29/2013	08/30/2013	08/30/2013				
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	09/04/2013	09/04/2013	09/03/2013	09/03/2013	09/05/2013	09/05/2013
Date Semivolatile Organics Analyzed	-				09/04/2013	09/04/2013	09/06/2013	09/06/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg				<110	<100	<110	<110
Arochlor 1221	ug/kg				<110	<100	<110	<110
Arochlor 1232	ug/kg				<110	<100	<110	<110
Arochlor 1242	ug/kg				<110	<100	<110	<110
Arochlor 1248	ug/kg				<110	<100	<110	<110

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
Arochlor 1254	ug/kg				<110	<100	<110	<110
Arochlor 1260	ug/kg				<110	<100	<110	<110
Arochlor 1262	ug/kg				<110	<100	<110	<110
Arochlor 1268	ug/kg				<110	<100	<110	<110
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg				<360	<360	<370	<380
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg				<360	<360	<370	<380
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	25	190 MS	45	11	<11	180	300
3,3'-Dichlorobenzidine	ug/kg				<180	<180	<190	<190
Acenaphthylene	ug/kg				<180	<180	200	610
Aniline	ug/kg				<360	<360	<370	<380
3-Nitroaniline	ug/kg				<360	<360	<370	<380
2-Nitroaniline	ug/kg				<360	<360	<370	<380
4-Chloroaniline	ug/kg				R	R	<730	<740
4-Nitroaniline	ug/kg				<360	<360	<370	<380
1,2,4,5-Tetrachlorobenzene	ug/kg				<360	<360	<370	<380
Benzo[a]anthracene	ug/kg				<180	<180	1600	5600
Benzo[b]fluoranthene	ug/kg				<180	<180	2100	6500
Benzo(a)pyrene	ug/kg				<180	<180	1600	4700
Benzo(g,h,i)perylene	ug/kg				<180	<180	670	1400
Benzo(k)fluoranthene	ug/kg				<180	<180	820	2400
Carbazole	ug/kg				<180	<180	<190	340
Chrysene	ug/kg				<180	<180	1700	5800
2-Methyl-4,6-Dinitrophenol	ug/kg				<360	<360	<370	<380
3-Methyl-4-Chlorophenol	ug/kg				<710	<710	<730	<740
m- & p- Cresol	ug/kg				<360	<360	<370	<380
2-Methylphenol	ug/kg				<360	<360	<370	<380
Di-n-butyl phthalate	ug/kg				<360	<360	<370	<380
Dibenz(a,h)anthracene	ug/kg				<180	<180	220	510
n-Nitrosodiphenylamine	ug/kg				<360	<360	<370	<380
Nitrosodi-n-Propylamine	ug/kg				<360	<360	<370	<380
Hexachloroethane	ug/kg				<360	<360	<370	<380
4-Bromophenyl-phenylether	ug/kg				<360	<360	<370	<380
4-Chlorophenylphenyl ether	ug/kg				<360	<360	<370	<380
bis(2-Chloroisopropyl)ether	ug/kg				<360	<360	<370	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg				<360	<360	<370	<380
Fluoranthene	ug/kg				<180	<180	2100	10000
Fluorene	ug/kg				<180	<180	<190	1100
Indeno(1,2,3-c,d)pyrene	ug/kg				<180	<180	770	1700
bis(2-Chloroethoxy) Methane	ug/kg				<360	<360	<370	<380
Naphthalene	ug/kg	<2.9	9.9	<3.9				
Naphthalene	ug/kg				<180	<180	<190	300
2-Chloronaphthalene	ug/kg				<360	<360	<370	<380
Phenanthrene	ug/kg				<180	<180	930	7800
Phenol	ug/kg				<360	<360	<370	<380
2,4,5-Trichlorophenol	ug/kg				<360	<360	<370	<380
2,4,6-Trichlorophenol	ug/kg				<360	<360	<370	<380
2,4-Dichlorophenol	ug/kg				<360	<360	<370	<380
2,4-Dinitrophenol	ug/kg				<710	<710	<730	<740
2-Nitrophenol	ug/kg				<360	<360	<370	<380
p-Nitrophenol	ug/kg				<710	<710	<730	<740
Pentachlorophenol	ug/kg				<360	<360	<370	<380
Butylbenzylphthalate	ug/kg				<360	<360	<370	<380
Diethyl Phthalate	ug/kg				<360	<360	<370	<380
Dimethyl Phthalate	ug/kg				<360	<360	<370	<380
Di-n-octyl phthalate	ug/kg				<720	<720	<740	<750
Pyrene	ug/kg				<180	<180	2400	11000
Pyridine	ug/kg				<360	<360	<370	<380
bis(2-Ethylhexyl)phthalate	ug/kg				<360	<360	<370	<380
1,2-Dichloropropane	ug/kg	<1.5	<2.2	<2.0				
Acenaphthene	ug/kg				<180	<180	<190	390
Acetone	ug/kg	<73	<110 L-	<98 L-				
Acrylonitrile	ug/kg	<4.4	<6.6	<5.9				

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
Anthracene	ug/kg				<180	<180	<190	1600
Benzene	ug/kg	<1.5	<2.2	<2.0				
1,2,3-Trichlorobenzene	ug/kg	<1.5	<2.2	<2.0				
1,2,4-Trichlorobenzene	ug/kg	<1.5	<2.2	<2.0				
1,2,4-Trichlorobenzene	ug/kg				<360	<360	<370	<380
1,2,4-Trimethylbenzene	ug/kg	<1.5	<2.2	<2.0				
1,2-Dichlorobenzene	ug/kg	<1.5	<2.2	<2.0				
1,3,5-Trimethylbenzene	ug/kg	<1.5	<2.2	<2.0				
1,3-Dichlorobenzene	ug/kg	<1.5	<2.2	<2.0				
1,4-Dichlorobenzene	ug/kg	<1.5	<2.2	<2.0				
Bromobenzene	ug/kg	<1.5	<2.2	<2.0				
Chlorobenzene	ug/kg	<1.5	<2.2	<2.0				
Ethylbenzene	ug/kg	<1.5	<2.2	<2.0				
Isopropylbenzene (Cumene)	ug/kg	<1.5	<2.2	<2.0				
Nitrobenzene	ug/kg				<360	<360	<370	<380
Pentachloronitrobenzene	ug/kg				<360 V-	<360 V-	<370	<380
n-Propylbenzene	ug/kg	<1.5	<2.2	<2.0				
sec-Butylbenzene	ug/kg	<1.5	<2.2	<2.0				
tert-Butylbenzene	ug/kg	<1.5	<2.2	<2.0				
Hexachlorobutadiene	ug/kg	<1.5	<4.4	<3.9				
Hexachlorobutadiene	ug/kg				<360	<360	<370	<380
2-Butanone (MEK)	ug/kg	<29	<44	<39				
trans-1,4-Dichlorobutene	ug/kg	<2.9	<4.4	<3.9				
Carbon Disulfide	ug/kg	<4.4	<6.6	<5.9				
Carbon Tetrachloride	ug/kg	<1.5	<4.4	<3.9				
Isophorone	ug/kg				<360	<360	<370	<380
4-Isopropyltoluene	ug/kg	<1.5	<2.2	<2.0				
Dibenzofuran	ug/kg				<360	<360	<370	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<15	<22 L-	<20 L-				
1,1,1,2-Tetrachloroethane	ug/kg	<1.5	<2.2	<2.0				
1,1,1-Trichloroethane	ug/kg	<1.5	<2.2	<2.0				
1,1,2,2-Tetrachloroethane	ug/kg	<0.73	<1.1	<0.98				
1,1,2-Trichloroethane	ug/kg	<1.5	<2.2	<2.0				
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<7.3	<11	<9.8				
1,1-Dichloroethane	ug/kg	<1.5	<2.2	<2.0				
Ethylene Dibromide	ug/kg	<0.73	<2.2	<2.0				
1,2-Dichloroethane	ug/kg	<1.5	<2.2	<2.0				
Chloroethane	ug/kg	<15	<22	<20				
Methyl tert-Butyl ether	ug/kg	<2.9	<4.4	<3.9				
1,1-Dichloroethylene	ug/kg	<2.9	<4.4	<3.9				
trans-1,2-Dichloroethylene	ug/kg	<1.5	<2.2	<2.0				
Vinyl Chloride	ug/kg	<7.3	<11	<9.8				
Tetrachloroethylene	ug/kg	<1.5	<2.2	<2.0				
Tetrahydrofuran	ug/kg	<7.3	<11	<9.8				
Hexanone, 2-	ug/kg	<15	<22	<20				
Bromomethane	ug/kg	<7.3	<11 L-	<9.8 L-				
Bromodichloromethane	ug/kg	<1.5	<2.2	<2.0				
Chloromethane	ug/kg	<7.3	<11 L-	<9.8 L-				
Dibromochloromethane	ug/kg	<0.73	<1.1	<0.98				
Methylene Dibromide	ug/kg	<1.5	<2.2	<2.0				
Methylene Chloride	ug/kg	<15	<22 L-	<20 V-				
Bromoform	ug/kg	<2.9	<2.2	<2.0				
Chloroform	ug/kg	<2.9	<4.4	<3.9				
Trichlorofluoromethane	ug/kg	<7.3	<11	<9.8				
2-Methylnaphthalene	ug/kg				<180	<180	<190	370
Methyl Isobutyl ketone	ug/kg	<15	<22	<20				

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-330	SB-331	SB-331	SB-332	SB-332	SB-333	SB-333
	Sample ID	1287373	1287410	1287411	1287338	1287339	1287447	1287448
	Sample Date	08/27/2013	08/29/2013	08/29/2013	08/28/2013	08/28/2013	08/30/2013	08/30/2013
	Sample Time	15:50	12:30	12:40	14:35	14:40	10:25	10:30
	Sample Depth	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-32	13H1143-04	13H1143-05	13H1103-19	13H1103-20	13H1191-13	13H1191-12
Constituent	Units							
2-Chlorophenol	ug/kg				<360	<360	<370	<380
1,2,3-Trichloropropane	ug/kg	<1.5	<2.2	<2.0				
1,2-Dibromo-3-Chloropropane	ug/kg	<1.5	<4.4	<3.9				
1,3-Dichloropropane	ug/kg	<0.73	<1.1	<0.98				
sec-Dichloropropane	ug/kg	<7.3	<2.2	<2.0				
1,1-Dichloropropene	ug/kg	<1.5	<2.2	<2.0				
trans-1,3-Dichloropropene	ug/kg	<0.73	<11	<9.8				
cis-1,3-Dichloropropene	ug/kg	<0.73	<4.4	<3.9				
Styrene	ug/kg	<1.5	<2.2	<2.0				
Toluene	ug/kg	<1.5	<2.2	<2.0				
2,4-Dinitrotoluene	ug/kg				<360	<360	<370	<380
2,6-Dinitrotoluene	ug/kg				<360	<360	<370	<380
2-Chlorotoluene	ug/kg	<1.5	<2.2	<2.0				
4-Chlorotoluene	ug/kg	<1.5	<2.2	<2.0				
Trichloroethylene	ug/kg	<1.5	<2.2	<2.0				
o-Xylene	ug/kg	<1.5	<2.2	<2.0				
Xylenes,m- & p-	ug/kg	<2.9	<4.4	<3.9				
2,4-Dimethylphenol	ug/kg				<360	<360	<370	<380
cis-1,2-Dichloroethylene	ug/kg	<1.5	<2.2	<2.0				
n-Butylbenzene	ug/kg	<1.5	<4.4	<3.9				
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
Date PCBs Analyzed	-		09/05/2013	09/05/2013		09/05/2013	09/05/2013	09/05/2013
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		09/05/2013	09/05/2013		09/05/2013	09/05/2013	09/05/2013
Date Semivolatile Organics Analyzed	-	09/06/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg		<140	<110		<100	<110	<110
Arochlor 1221	ug/kg		<140	<110		<100	<110	<110
Arochlor 1232	ug/kg		<140	<110		<100	<110	<110
Arochlor 1242	ug/kg		<140	<110		<100	<110	<110
Arochlor 1248	ug/kg		<140	<110		<100	<110	<110

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
Arochlor 1254	ug/kg		<140	<110		<100	<110	<110
Arochlor 1260	ug/kg		<140	<110		<100	<110	<110
Arochlor 1262	ug/kg		<140	<110		<100	<110	<110
Arochlor 1268	ug/kg		<140	<110		<100	<110	<110
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		21	240		18	25	36
3,3'-Dichlorobenzidine	ug/kg	<950	<240	<190	<1900	<180	<190	<190
Acenaphthylene	ug/kg	<950	<240	1000	<1900	<180	<190	<190
Aniline	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
3-Nitroaniline	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2-Nitroaniline	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
4-Chloroaniline	ug/kg	<3700	<920	<720	<7200	<700	<730	<740
4-Nitroaniline	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
1,2,4,5-Tetrachlorobenzene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Benzo[a]anthracene	ug/kg	5700	<240	4600	4900	<180	<190	<190
Benzo[b]fluoranthene	ug/kg	5500	310	4600	4400	<180	<190	<190
Benzo(a)pyrene	ug/kg	4600	<240	3500	3900	<180	<190	<190
Benzo(g,h,i)perylene	ug/kg	3100	<240	1000	2300	<180	<190	<190
Benzo(k)fluoranthene	ug/kg	2000	<240	1800	<1900	<180	<190	<190
Carbazole	ug/kg	<950	<240	490	<1900	<180	<190	<190
Chrysene	ug/kg	5800	300	5000	5400	<180	<190	<190
2-Methyl-4,6-Dinitrophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
3-Methyl-4-Chlorophenol	ug/kg	<3700	<920	<720	<7200	<700	<730	<740
m- & p- Cresol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2-Methylphenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Di-n-butyl phthalate	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Dibenz(a,h)anthracene	ug/kg	990	<240	350	<1900	<180	<190	<190
n-Nitrosodiphenylamine	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Nitrosodi-n-Propylamine	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Hexachloroethane	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
4-Bromophenyl-phenylether	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
4-Chlorophenylphenyl ether	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
bis(2-Chloroisopropyl)ether	ug/kg	<1900	<470	<370	<3700	<360	<380	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Fluoranthene	ug/kg	12000	390	9100	13000	<180	<190	<190
Fluorene	ug/kg	<950	<240	2600	3100	<180	<190	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	3200	<240	1200	2500	<180	<190	<190
bis(2-Chloroethoxy) Methane	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Naphthalene	ug/kg							
Naphthalene	ug/kg	<950	<240	310	<1900	<180	<190	<190
2-Chloronaphthalene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Phenanthrene	ug/kg	7900	<240	14000	16000	<180	<190	<190
Phenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2,4,5-Trichlorophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2,4,6-Trichlorophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2,4-Dichlorophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2,4-Dinitrophenol	ug/kg	<3700	<920	<720	<7200	<700	<730	<740
2-Nitrophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
p-Nitrophenol	ug/kg	<3700	<920	<720	<7200	<700	<730	<740
Pentachlorophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Butylbenzylphthalate	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Diethyl Phthalate	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Dimethyl Phthalate	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Di-n-octyl phthalate	ug/kg	<3700	<930	<730	<7300	<710	<750	<750
Pyrene	ug/kg	14000	470	9600	13000	<180	200	<190
Pyridine	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
bis(2-Ethylhexyl)phthalate	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg	<950	<240	1000	<1900	<180	<190	<190
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
Anthracene	ug/kg	1600	<240	2500	2600	<180	<190	<190
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
Pentachloronitrobenzene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg	<1900	<470	750	<3700	<360	<380	<380

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg	<950	<240	580	<1900	<180	<190	<190
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-333	SB-333	SB-333	SB-333	SB-339	SB-339	SB-339
	Sample ID	1287448	1287449	1287450	1287450	1287451	1287455	1287452
	Sample Date	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	10:30	10:35	10:40	10:40	12:20	12:20	12:25
	Sample Depth	2' - 4'	4' - 6'	6' - 8'	6' - 8'	0' - 2'	0' - 2'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-12RE1	13H1191-11	13H1191-10	13H1191-10RE1	13H1191-09	13H1191-05	13H1191-08
Constituent	Units							
2-Chlorophenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2,6-Dinitrotoluene	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg	<1900	<470	<370	<3700	<360	<380	<380
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
Date PCBs Analyzed	-	09/05/2013	09/05/2013					
Date Metals Analyzed	-			08/30/2013	09/03/2013			
Date Organics Analyzed	-			08/30/2013	08/30/2013	08/30/2013		
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/05/2013	09/05/2013	09/04/2013	09/04/2013	09/04/2013	09/04/2013	09/04/2013
Date Semivolatile Organics Analyzed	-	09/06/2013	09/06/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013	09/05/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg			6.4	<2.8			
Barium	mg/kg			43	24			
Cadmium	mg/kg			<0.28	0.30			
Chromium, Total	mg/kg			12	15			
Copper	mg/kg			11	21			
Lead	mg/kg			11	4.9			
Mercury	mg/kg			0.18	0.17			
Nickel	mg/kg			6.0	5.3			
Selenium	mg/kg			<5.7	<5.6			
Silver	mg/kg			<0.57	<0.56			
Zinc	mg/kg			17	18			
Arochlor 1016	ug/kg	<110	<100					
Arochlor 1221	ug/kg	<110	<100					
Arochlor 1232	ug/kg	<110	<100					
Arochlor 1242	ug/kg	<110	<100					
Arochlor 1248	ug/kg	<110	<100					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
Arochlor 1254	ug/kg	<110	<100					
Arochlor 1260	ug/kg	<110	<100					
Arochlor 1262	ug/kg	<110	<100					
Arochlor 1268	ug/kg	<110	<100					
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<370	<350	<390	<390	<370	<380	<390
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<370	<350	<390	<390	<370	<380	<390
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	18	12	22	<12	15	<11	450
3,3'-Dichlorobenzidine	ug/kg	<190	<170	<190	<190	<190	<190	<190
Acenaphthylene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Aniline	ug/kg	<370	<350	<390	<390	<370	<380	<390
3-Nitroaniline	ug/kg	<370	<350	<390	<390	<370	<380	<390
2-Nitroaniline	ug/kg	<370	<350	<390	<390	<370	<380	<390
4-Chloroaniline	ug/kg	<720	<670	<760	<760	<730	<740	<750
4-Nitroaniline	ug/kg	<370	<350	<390	<390	<370	<380	<390
1,2,4,5-Tetrachlorobenzene	ug/kg	<370	<350	<390	<390	<370	<380	<390
Benzo[a]anthracene	ug/kg	<190	<170	<190	<190	<190	<190	200
Benzo[b]fluoranthene	ug/kg	<190	<170	<190	<190	<190	<190	200
Benzo(a)pyrene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Benzo(g,h,i)perylene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Benzo(k)fluoranthene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Carbazole	ug/kg	<190	<170	<190	<190	<190	<190	<190
Chrysene	ug/kg	<190	<170	<190	<190	<190	<190	360
2-Methyl-4,6-Dinitrophenol	ug/kg	<370	<350	<390 V-	<390 V-	<370 V-	<380 V-	<390 V-
3-Methyl-4-Chlorophenol	ug/kg	<720	<670	<760	<760	<730	<740	<750
m- & p- Cresol	ug/kg	<370	<350	<390	<390	<370	<380	<390
2-Methylphenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
Di-n-butyl phthalate	ug/kg	<370	<350	<390	<390	<370	<380	<390
Dibenz(a,h)anthracene	ug/kg	<190	<170	<190	<190	<190	<190	<190
n-Nitrosodiphenylamine	ug/kg	<370	<350	<390	<390	<370	<380	<390
Nitrosodi-n-Propylamine	ug/kg	<370	<350	<390	<390	<370	<380	<390
Hexachloroethane	ug/kg	<370	<350	<390	<390	<370	<380	<390
4-Bromophenyl-phenylether	ug/kg	<370	<350	<390	<390	<370	<380	<390
4-Chlorophenylphenyl ether	ug/kg	<370	<350	<390	<390	<370	<380	<390
bis(2-Chloroisopropyl)ether	ug/kg	<370	<350	<390	<390	<370	<380	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<370	<350	<390	<390	<370	<380	<390
Fluoranthene	ug/kg	<190	<170	<190	<190	<190	<190	250
Fluorene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Indeno(1,2,3-c,d)pyrene	ug/kg	<190	<170	<190	<190	<190	<190	<190
bis(2-Chloroethoxy) Methane	ug/kg	<370	<350	<390	<390	<370	<380	<390
Naphthalene	ug/kg			<2.8	<2.9	<2.5		
Naphthalene	ug/kg	<190	<170	<190	<190	<190	<190	290
2-Chloronaphthalene	ug/kg	<370	<350	<390	<390	<370	<380	<390
Phenanthrene	ug/kg	<190	<170	<190	<190	<190	<190	880
Phenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
2,4,5-Trichlorophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
2,4,6-Trichlorophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
2,4-Dichlorophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
2,4-Dinitrophenol	ug/kg	<720	<670	<760 V-	<760 V-	<730 V-	<740 V-	<750 V-
2-Nitrophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
p-Nitrophenol	ug/kg	<720	<670	<760	<760	<730	<740	<750
Pentachlorophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
Butylbenzylphthalate	ug/kg	<370	<350	<390	<390	<370	<380	<390
Diethyl Phthalate	ug/kg	<370	<350	<390	<390	<370	<380	<390
Dimethyl Phthalate	ug/kg	<370	<350	<390	<390	<370	<380	<390
Di-n-octyl phthalate	ug/kg	<730	<680	<770	<770	<740	<750	<760
Pyrene	ug/kg	<190	<170	<190	<190	<190	<190	280
Pyridine	ug/kg	<370	<350	<390	<390	<370	<380	<390
bis(2-Ethylhexyl)phthalate	ug/kg	<370	<350	<390	<390	<370	<380	<390
1,2-Dichloropropane	ug/kg			<1.4	<1.5	<1.2		
Acenaphthene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Acetone	ug/kg			<69 L-	<74 L-	<62 L-		
Acrylonitrile	ug/kg			<4.2	<4.4	<3.7		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
Anthracene	ug/kg	<190	<170	<190	<190	<190	<190	<190
Benzene	ug/kg			<1.4	<1.5	<1.2		
1,2,3-Trichlorobenzene	ug/kg			<1.4	<1.5	<1.2		
1,2,4-Trichlorobenzene	ug/kg			<1.4	<1.5	<1.2		
1,2,4-Trichlorobenzene	ug/kg	<370	<350	<390	<390	<370	<380	<390
1,2,4-Trimethylbenzene	ug/kg			<1.4	<1.5	<1.2		
1,2-Dichlorobenzene	ug/kg			<1.4	<1.5	<1.2		
1,3,5-Trimethylbenzene	ug/kg			<1.4	<1.5	<1.2		
1,3-Dichlorobenzene	ug/kg			<1.4	<1.5	<1.2		
1,4-Dichlorobenzene	ug/kg			<1.4	<1.5	<1.2		
Bromobenzene	ug/kg			<1.4	<1.5	<1.2		
Chlorobenzene	ug/kg			<1.4	<1.5	<1.2		
Ethylbenzene	ug/kg			<1.4	<1.5	<1.2		
Isopropylbenzene (Cumene)	ug/kg			<1.4	<1.5	<1.2		
Nitrobenzene	ug/kg	<370	<350	<390	<390	<370	<380	<390
Pentachloronitrobenzene	ug/kg	<370	<350	<390 V-	<390 V-	<370 V-	<380 V-	<390 V-
n-Propylbenzene	ug/kg			<1.4	<1.5	<1.2		
sec-Butylbenzene	ug/kg			<1.4	<1.5	<1.2		
tert-Butylbenzene	ug/kg			<1.4	<1.5	<1.2		
Hexachlorobutadiene	ug/kg			<2.8	<2.9	<2.5		
Hexachlorobutadiene	ug/kg	<370	<350	<390	<390	<370	<380	<390
2-Butanone (MEK)	ug/kg			<28	<29	<25		
trans-1,4-Dichlorobutene	ug/kg			<2.8	<2.9	<2.5		
Carbon Disulfide	ug/kg			<4.2	<4.4	<3.7		
Carbon Tetrachloride	ug/kg			<2.8	<2.9	<2.5		
Isophorone	ug/kg	<370	<350	<390	<390	<370	<380	<390
4-Isopropyltoluene	ug/kg			<1.4	<1.5	<1.2		
Dibenzofuran	ug/kg	<370	<350	<390	<390	<370	<380	<390

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
Dichlorodifluoromethane	ug/kg			<14 L-	<15 L-	<12 L-		
1,1,1,2-Tetrachloroethane	ug/kg			<1.4	<1.5	<1.2		
1,1,1-Trichloroethane	ug/kg			<1.4	<1.5	<1.2		
1,1,2,2-Tetrachloroethane	ug/kg			<0.69	<0.74	<0.62		
1,1,2-Trichloroethane	ug/kg			<1.4	<1.5	<1.2		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg			<6.9	<7.4	<6.2		
1,1-Dichloroethane	ug/kg			<1.4	<1.5	<1.2		
Ethylene Dibromide	ug/kg			<1.4	<1.5	<1.2		
1,2-Dichloroethane	ug/kg			<1.4	<1.5	<1.2		
Chloroethane	ug/kg			<14	<15	<12		
Methyl tert-Butyl ether	ug/kg			<2.8	<2.9	<2.5		
1,1-Dichloroethylene	ug/kg			<2.8	<2.9	<2.5		
trans-1,2-Dichloroethylene	ug/kg			<1.4	<1.5	<1.2		
Vinyl Chloride	ug/kg			<6.9	<7.4	<6.2		
Tetrachloroethylene	ug/kg			<1.4	<1.5	<1.2		
Tetrahydrofuran	ug/kg			<6.9	<7.4	<6.2		
Hexanone, 2-	ug/kg			<14	<15	<12		
Bromomethane	ug/kg			<6.9 L-	<7.4 L-	<6.2 L-		
Bromodichloromethane	ug/kg			<1.4	<1.5	<1.2		
Chloromethane	ug/kg			<6.9 L-	<7.4 L-	<6.2 L-		
Dibromochloromethane	ug/kg			<0.69	<0.74	<0.62		
Methylene Dibromide	ug/kg			<1.4	<1.5	<1.2		
Methylene Chloride	ug/kg			<14 V-	<15 L-	<12 L-		
Bromoform	ug/kg			<1.4	<1.5	<1.2		
Chloroform	ug/kg			<2.8	<2.9	<2.5		
Trichlorofluoromethane	ug/kg			<6.9	<7.4	<6.2		
2-Methylnaphthalene	ug/kg	<190	<170	<190	<190	<190	<190	750
Methyl Isobutyl ketone	ug/kg			<14	<15	<12		

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	SB-350	SB-350	SB-351	SB-352	SB-353
	Sample ID	1287453	1287454	1287345	1287398	1287325	1287326	1287327
	Sample Date	08/30/2013	08/30/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013	08/29/2013
	Sample Time	12:30	12:35	11:24	11:35	10:10	10:40	11:00
	Sample Depth	4' - 6'	6' - 8'	0' - 2'	2' - 4.03'	0' - 1.5'	0' - 0.66'	0' - 0.66'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-07	13H1191-06	13H1143-09	13H1143-10	13H1143-06	13H1143-07	13H1143-08
Constituent	Units							
2-Chlorophenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
1,2,3-Trichloropropane	ug/kg			<1.4	<1.5	<1.2		
1,2-Dibromo-3-Chloropropane	ug/kg			<2.8	<2.9	<2.5		
1,3-Dichloropropane	ug/kg			<0.69	<0.74	<0.62		
sec-Dichloropropane	ug/kg			<1.4	<1.5	<1.2		
1,1-Dichloropropene	ug/kg			<1.4	<1.5	<1.2		
trans-1,3-Dichloropropene	ug/kg			<6.9	<7.4	<6.2		
cis-1,3-Dichloropropene	ug/kg			<2.8	<2.9	<2.5		
Styrene	ug/kg			<1.4	<1.5	<1.2		
Toluene	ug/kg			<1.4	<1.5	<1.2		
2,4-Dinitrotoluene	ug/kg	<370	<350	<390 V-	<390 V-	<370 V-	<380 V-	<390 V-
2,6-Dinitrotoluene	ug/kg	<370	<350	<390	<390	<370	<380	<390
2-Chlorotoluene	ug/kg			<1.4	<1.5	<1.2		
4-Chlorotoluene	ug/kg			<1.4	<1.5	<1.2		
Trichloroethylene	ug/kg			<1.4	<1.5	<1.2		
o-Xylene	ug/kg			<1.4	<1.5	<1.2		
Xylenes,m- & p-	ug/kg			<2.8	<2.9	<2.5		
2,4-Dimethylphenol	ug/kg	<370	<350	<390	<390	<370	<380	<390
cis-1,2-Dichloroethylene	ug/kg			<1.4	<1.5	<1.2		
n-Butylbenzene	ug/kg			<2.8	<2.9	<2.5		
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Date PCBs Analyzed	-	01/29/2013		01/29/2013		01/29/2013		01/29/2013
Date Metals Analyzed	-							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/31/2013		01/31/2013		01/31/2013	
Date Semivolatile Organics Analyzed	-	01/29/2013		01/30/2013		01/29/2013		01/30/2013
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg	<110		<120		<120		<120
Arochlor 1221	ug/kg	<110		<120		<120		<120
Arochlor 1232	ug/kg	<110		<120		<120		<120
Arochlor 1242	ug/kg	<110		<120		<120		<120
Arochlor 1248	ug/kg	<110		<120		<120		<120

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Arochlor 1254	ug/kg	<110		<120		<120		<120
Arochlor 1260	ug/kg	<110		<120		<120		<120
Arochlor 1262	ug/kg	<110		<120		<120		<120
Arochlor 1268	ug/kg	<110		<120		<120		<120
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		66		120		180	
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg	<200		300		<210		460
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg	210		680		630		1200
Benzo[b]fluoranthene	ug/kg	380		940		1200		1400
Benzo(a)pyrene	ug/kg	260		720		790		1200
Benzo(g,h,i)perylene	ug/kg	<200		500		300		960
Benzo(k)fluoranthene	ug/kg	<200		380		390		550
Carbazole	ug/kg							
Chrysene	ug/kg	340		950		1000		1400
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg	<200		<200		<210		270
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg	430		1500		1200		1900
Fluorene	ug/kg	<200		<200		<210		<200
Indeno(1,2,3-c,d)pyrene	ug/kg	240		510		450		1000
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg	<200		<200		<210		<200
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg	320		1200		1100		1200
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg	410		1400		1200		2800
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg	<200		<200		<210		<200
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Anthracene	ug/kg	<200		<200		<210		<200
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg	<200		<200		<210		<200
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-01	SS-01	SS-02	SS-02	SS-03	SS-03	SS-07
	Sample ID	1273761	1273761	1273762	1273762	1273763	1273763	1273741
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:05	11:05	11:08	11:08	11:13	11:13	09:50
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-18	13A0643-18RE1	13A0643-17	13A0643-17RE1	13A0643-16	13A0643-16RE1	13A0643-19
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Date PCBs Analyzed	-		01/29/2013		01/29/2013			
Date Metals Analyzed	-						01/30/2013	01/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-						01/28/2013	01/29/2013
Date Physical Analyzed	-	01/31/2013		01/31/2013		01/31/2013		
Date Semivolatile Organics Analyzed	-		01/29/2013	01/30/2013	01/29/2013			
Alachlor	ug/kg						<23	<23
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg							
Barium	mg/kg							
Cadmium	mg/kg							
Chromium, Total	mg/kg							
Copper	mg/kg							
Lead	mg/kg						11	470
Mercury	mg/kg							
Nickel	mg/kg							
Selenium	mg/kg							
Silver	mg/kg							
Zinc	mg/kg							
Arochlor 1016	ug/kg		<130		<120			
Arochlor 1221	ug/kg		<130		<120			
Arochlor 1232	ug/kg		<130		<120			
Arochlor 1242	ug/kg		<130		<120			
Arochlor 1248	ug/kg		<130		<120			

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Arochlor 1254	ug/kg		<130		<120			
Arochlor 1260	ug/kg		<130		<120			
Arochlor 1262	ug/kg		<130		<120			
Arochlor 1268	ug/kg		<130		<120			
Aldrin	ug/kg						<5.7	<5.9
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg						<6.8	<7.0
Chlordane	ug/kg						<23	<23
alpha-Hexachlorocyclohexane	ug/kg						<5.7	<5.9
beta-Hexachlorocyclohexane	ug/kg						<5.7	<5.9
delta-Hexachlorocyclohexane	ug/kg						<5.7	<5.9
Lindane	ug/kg						<2.3	<2.3
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg						<4.5	<4.7
Endrin	ug/kg						<9.1	<9.4
Endrin aldehyde	ug/kg						<9.1	<9.4
Endrin ketone	ug/kg						<9.1	<9.4
4,4-DDT	ug/kg						<4.5	<4.7
Methoxychlor	ug/kg						<57	<59
4,4-DDD	ug/kg						<4.5	<4.7
4,4-DDE	ug/kg						<4.5	<4.7
Heptachlor Epoxide	ug/kg						<5.7	<5.9
Heptachlor	ug/kg						<5.7	<5.9
Endosulfan Sulfate	ug/kg						<9.1	<9.4
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg						<5.7	<5.9
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg						<9.1	<9.4
Toxaphene	ug/kg						<110	<120
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	160		450		390		
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg		2600	3100	430			
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg		9400	10000	2400			
Benzo[b]fluoranthene	ug/kg		9900	11000	3000			
Benzo(a)pyrene	ug/kg		7300	8400	2200			
Benzo(g,h,i)perylene	ug/kg		2100	<2200	870			
Benzo(k)fluoranthene	ug/kg		3600	4100	1000			
Carbazole	ug/kg							
Chrysene	ug/kg		9800	11000	2600			
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg		880	<2200	350			
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg		18000 E	22000	4400			
Fluorene	ug/kg		4000	4800	380			
Indeno(1,2,3-c,d)pyrene	ug/kg		2500	3600	1100			
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg		1200	<2200	<210			
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg		28000 E	33000	3600			
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		13000 E	14000	3400			
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg		1200	<2200	<210			
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Anthracene	ug/kg		4000	4800	580			
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg		1400	<2200	<210			
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-07	SS-08	SS-08	SS-09	SS-09	SS-13	SS-14
	Sample ID	1273741	1273742	1273742	1273743	1273743	1273764	1273784
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	09:50	09:55	09:55	10:00	10:00	11:22	13:35
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-19RE1	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-21RE1	13A0643-15	13A0643-09
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	01/30/2013	01/29/2013		01/30/2013	01/30/2013		01/29/2013
Date Organics Analyzed	-		01/31/2013					
Date Pesticides/Herbicides Analyzed	-	01/28/2013	01/29/2013	01/28/2013	01/29/2013	01/28/2013	01/29/2013	01/28/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-		01/28/2013					
Alachlor	ug/kg	<23	<23	<26	<25	<23	<24	<26
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg		<2.8					
Barium	mg/kg		46					
Cadmium	mg/kg		0.29					
Chromium, Total	mg/kg		13					
Copper	mg/kg		20					
Lead	mg/kg	15	260		730	570		21
Mercury	mg/kg		0.048					
Nickel	mg/kg		6.9					
Selenium	mg/kg		<5.5					
Silver	mg/kg		<0.55					
Zinc	mg/kg		73					
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<6.9	<6.9	<7.8	<7.6	<7.0	<7.2	<7.7
Chlordane	ug/kg	<23	<23	<26	<25	<23	<24	210
alpha-Hexachlorocyclohexane	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
beta-Hexachlorocyclohexane	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
delta-Hexachlorocyclohexane	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
Lindane	ug/kg	<2.3	<2.3	<2.6	<2.5	<2.3	<2.4	<2.6
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<4.6	<4.6	<5.2	<5.1	<4.7	<4.8	<5.1
Endrin	ug/kg	<9.2	<9.2	<10	<10	<9.3	<9.6	<10
Endrin aldehyde	ug/kg	<9.2	<9.2	<10	<10	<9.3	<9.6	<10
Endrin ketone	ug/kg	<9.2	<9.2	<10	<10	<9.3	<9.6	<10
4,4-DDT	ug/kg	<4.6	<4.6	<5.2	<5.1	<4.7	<4.8	<5.1
Methoxychlor	ug/kg	<57	<58	<65	<63	<58	<60	<64
4,4-DDD	ug/kg	<4.6	<4.6	<5.2	<5.1	<4.7	<4.8	<5.1
4,4-DDE	ug/kg	<4.6	<4.6	<5.2	<5.1	<4.7	<4.8	<5.1
Heptachlor Epoxide	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	39
Heptachlor	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
Endosulfan Sulfate	ug/kg	<9.2	<9.2	<10	<10	<9.3	<9.6	<10
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<5.7	<5.8	<6.5	<6.3	<5.8	<6.0	<6.4
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<9.2	<9.2	<10	<10	<9.3	<9.6	<10
Toxaphene	ug/kg	<110	<120	<130	<130	<120	<120	<130
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg		<200					
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg		<200					
Benzo[b]fluoranthene	ug/kg		210					
Benzo(a)pyrene	ug/kg		<200					
Benzo(g,h,i)perylene	ug/kg		<200					
Benzo(k)fluoranthene	ug/kg		<200					
Carbazole	ug/kg							
Chrysene	ug/kg		<200					
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg		<200					
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg		250					
Fluorene	ug/kg		<200					
Indeno(1,2,3-c,d)pyrene	ug/kg		<200					
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg		<130					
Naphthalene	ug/kg		<200					
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg		<200					
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg		290					
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg		<67					
Acenaphthene	ug/kg		<200					
Acetone	ug/kg		22000					
Acrylonitrile	ug/kg		<330					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
Anthracene	ug/kg		<200					
Benzene	ug/kg		<67					
1,2,3-Trichlorobenzene	ug/kg		<330					
1,2,4-Trichlorobenzene	ug/kg		<67					
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg		<67					
1,2-Dichlorobenzene	ug/kg		<67					
1,3,5-Trimethylbenzene	ug/kg		<67					
1,3-Dichlorobenzene	ug/kg		<67					
1,4-Dichlorobenzene	ug/kg		<67					
Bromobenzene	ug/kg		<67					
Chlorobenzene	ug/kg		<67					
Ethylbenzene	ug/kg		<67					
Isopropylbenzene (Cumene)	ug/kg		<67					
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg		<67					
sec-Butylbenzene	ug/kg		<67					
tert-Butylbenzene	ug/kg		<67					
Hexachlorobutadiene	ug/kg		<67					
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg		<1300					
trans-1,4-Dichlorobutene	ug/kg		<130					
Carbon Disulfide	ug/kg		<200					
Carbon Tetrachloride	ug/kg		<67					
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg		<67					
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
Dichlorodifluoromethane	ug/kg		<130					
1,1,1,2-Tetrachloroethane	ug/kg		<67					
1,1,1-Trichloroethane	ug/kg		<67					
1,1,2,2-Tetrachloroethane	ug/kg		<33					
1,1,2-Trichloroethane	ug/kg		<67					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg		<67					
1,1-Dichloroethane	ug/kg		<67					
Ethylene Dibromide	ug/kg		<67					
1,2-Dichloroethane	ug/kg		<67					
Chloroethane	ug/kg		<130					
Methyl tert-Butyl ether	ug/kg		<67					
1,1-Dichloroethylene	ug/kg		<67					
trans-1,2-Dichloroethylene	ug/kg		<67					
Vinyl Chloride	ug/kg		<130					
Tetrachloroethylene	ug/kg		<67					
Tetrahydrofuran	ug/kg		<670					
Hexanone, 2-	ug/kg		<670					
Bromomethane	ug/kg		<130					
Bromodichloromethane	ug/kg		<130					
Chloromethane	ug/kg		<130					
Dibromochloromethane	ug/kg		<33					
Methylene Dibromide	ug/kg		<67					
Methylene Chloride	ug/kg		<330					
Bromoform	ug/kg		<67					
Chloroform	ug/kg		<130					
Trichlorofluoromethane	ug/kg		<130					
2-Methylnaphthalene	ug/kg		<200					
Methyl Isobutyl ketone	ug/kg		<670					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20	SS-21
	Sample ID	1273785	1273786	1273787	1273788	1273789	1273790	1273791
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	13:45	13:52	13:59	14:06	14:15	14:26	14:45
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-08	13A0643-07	13A0643-06	13A0643-05	13A0643-04	13A0643-03	13A0643-02
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg		<130					
1,2-Dibromo-3-Chloropropane	ug/kg		<330					
1,3-Dichloropropane	ug/kg		<33					
sec-Dichloropropane	ug/kg		<67					
1,1-Dichloropropene	ug/kg		<130					
trans-1,3-Dichloropropene	ug/kg		<33					
cis-1,3-Dichloropropene	ug/kg		<33					
Styrene	ug/kg		<67					
Toluene	ug/kg		<67					
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg		<67					
4-Chlorotoluene	ug/kg		<67					
Trichloroethylene	ug/kg		<67					
o-Xylene	ug/kg		<67					
Xylenes,m- & p-	ug/kg		<130					
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg		<67					
n-Butylbenzene	ug/kg		<67					
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Alachlor	ug/kg	<9300	<1000	<23	<26	<24	<22	<27
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	4.2	3.7	<2.9	5.1	3.3	<2.5	6.1
Barium	mg/kg	61	45	36	170	52	44	240
Cadmium	mg/kg	0.53	<0.26	<0.29	1.3	0.41	0.62	2.5
Chromium, Total	mg/kg	22	28	14	19	11	16	25
Copper	mg/kg	15	10	17	150	47	25	2100
Lead	mg/kg	54	31	230	2000	330	44	2500
Mercury	mg/kg	0.19	0.071	<0.029	0.27	0.062	0.089	0.19
Nickel	mg/kg	9.9	6.3	7.8	11	5.9	7.6	9.8
Selenium	mg/kg	<5.4	<5.3	<5.8	<6.2	<5.5	<5.1	<6.5
Silver	mg/kg	<0.54	<0.53	<0.58	<0.62	<0.55	<0.51	<0.65
Zinc	mg/kg	68	61	270	920	250	320	1800
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<2800	<310	<7.0	<7.9	<7.1	<6.5	<8.0
Chlordane	ug/kg	66000	11000 V-	73 V-	53 V-	<24	<22	38
alpha-Hexachlorocyclohexane	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
beta-Hexachlorocyclohexane	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
delta-Hexachlorocyclohexane	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
Lindane	ug/kg	<930	<100	<2.3	<2.6	<2.4	<2.2	<2.7
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<1900	<210	<4.7	<5.2	<4.7	21	<5.4
Endrin	ug/kg	<3700	<420	<9.4	<10	<9.5	<8.7	<11
Endrin aldehyde	ug/kg	<3700	<420	<9.4	<10	<9.5	<8.7	<11
Endrin ketone	ug/kg	<3700	<420	<9.4	<10	<9.5	<8.7	<11
4,4-DDT	ug/kg	<1900	<210	48	22	<4.7	<4.4	11
Methoxychlor	ug/kg	<23000	<2600	<59	<66	<59	<55	<67
4,4-DDD	ug/kg	<1900	<210 V-	<4.7 V-	<5.2 V-	<4.7 V-	<4.4 V-	<5.4
4,4-DDE	ug/kg	<1900	<210	<4.7	<5.2	<4.7	<5.4	<5.4
Heptachlor Epoxide	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
Heptachlor	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
Endosulfan Sulfate	ug/kg	<3700	<420	<9.4	<10	<9.5	<8.7	<11
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<2300	<260	<5.9	<6.6	<5.9	<5.5	<6.7
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<3700	<420	<9.4	<10	<9.5	<8.7	<11
Toxaphene	ug/kg	<46000	<5200	<120	<130	<120	<110	<130
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg							
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg							
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg							
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
Anthracene	ug/kg							
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg							
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-300	SS-301	SS-302	SS-303	SS-304	SS-305	SS-306
	Sample ID	1287377	1287378	1287379	1287380	1287381	1287386	1287387
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	11:45	11:55	12:00	12:05	12:15	13:00	13:15
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-25	13H1103-26	13H1103-27	13H1103-28	13H1103-29	13H1103-30	13H1103-31
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Alachlor	ug/kg	<25	<23	<25	<23	<24	<23	<26
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	8.3	3.8	6.4	3.2	3.8	5.0	6.1
Barium	mg/kg	260	61	74	33	53	41	55
Cadmium	mg/kg	4.3	0.57	1.6	0.51	1.7	1.1	1.6
Chromium, Total	mg/kg	34	15	13	12	15	14	18
Copper	mg/kg	3300	120	79	100	350	300	330
Lead	mg/kg	10000	300	410	530	1800	1200	530
Mercury	mg/kg	0.16	0.047	0.057	0.27	0.12	0.052	0.11
Nickel	mg/kg	6.8	7.1	6.9	6.4	9.4	7.5	9.8
Selenium	mg/kg	<6.3	<5.8	<6.3	<5.6	<6.1	<5.7	<6.3
Silver	mg/kg	<0.63	<0.58	<0.63	<0.56	<0.61	<0.57	<0.63
Zinc	mg/kg	1400	210	580	57	1000	400	570
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<7.6	<7.0	<7.6	<6.8	<7.3	<7.0	<7.8
Chlordane	ug/kg	<25	<23	<25	<23	<24	<23	<26
alpha-Hexachlorocyclohexane	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
beta-Hexachlorocyclohexane	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
delta-Hexachlorocyclohexane	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
Lindane	ug/kg	<2.5	<2.3	<2.5	<2.3	<2.4	<2.3	<2.6
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<5.1	<4.7	<5.0	<4.5	<4.8	<4.7	<5.2
Endrin	ug/kg	<10	<9.4	<10	<9.1	<9.7	<9.3	<10
Endrin aldehyde	ug/kg	<10	<9.4	<10	<9.1	<9.7	<9.3	<10
Endrin ketone	ug/kg	<10	<9.4	<10	<9.1	<9.7	<9.3	<10
4,4-DDT	ug/kg	7.9	5.0	100	7.4	9.1	<4.7	<5.2
Methoxychlor	ug/kg	<63	<59	<63	<57	<60	<58	<65
4,4-DDD	ug/kg	<5.1 V-	<4.7 V-	<5.0 V-	<4.5 V-	<4.8	<4.7	<5.2
4,4-DDE	ug/kg	6.1	<4.7	55	<4.5	<4.8	<4.7	<5.2
Heptachlor Epoxide	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
Heptachlor	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
Endosulfan Sulfate	ug/kg	<10	<9.4	<10	<9.1	<9.7	<9.3	<10
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<6.3	<5.9	<6.3	<5.7	<6.0	<5.8	<6.5
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<10	<9.4	<10	<9.1	<9.7	<9.3	<10
Toxaphene	ug/kg	<130	<120	<130	<110	<120	<120	<130
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg							
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg							
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg							
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
Anthracene	ug/kg							
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg							
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-307	SS-308	SS-309	SS-310	SS-311	SS-312	SS-313
	Sample ID	1287388	1287389	1287390	1287391	1287392	1287393	1287382
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:20	13:25	13:35	13:40	14:00	14:05	14:10
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-32	13H1103-33	13H1103-34	13H1103-35	13H1103-36	13H1103-37	13H1103-38
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
Date PCBs Analyzed	-							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	08/31/2013
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Alachlor	ug/kg	<25	<25	<25	<26	<24	<24	<42000
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	15	4.5	<3.0	<3.3	3.6	4.1	4.5
Barium	mg/kg	75	64	28	42	66	71	60
Cadmium	mg/kg	1.5	1.2	0.42	0.50	0.73	0.79	1.2
Chromium, Total	mg/kg	19	16	14	15	16	16	75
Copper	mg/kg	200	320	21	18	140	180	21
Lead	mg/kg	840	480	1100	660	1100	1700	31
Mercury	mg/kg	0.085	0.20	0.16	0.11	0.070	0.099	0.42
Nickel	mg/kg	10	8.2	8.6	8.5	7.9	8.1	10
Selenium	mg/kg	<6.1	<5.9	<6.0	<6.5	<5.9	<5.9	<5.2
Silver	mg/kg	<0.61	<0.59	<0.60	<0.65	<0.59	<0.59	<0.52
Zinc	mg/kg	550	850	61	69	460	500	53
Arochlor 1016	ug/kg							
Arochlor 1221	ug/kg							
Arochlor 1232	ug/kg							
Arochlor 1242	ug/kg							
Arochlor 1248	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
Arochlor 1254	ug/kg							
Arochlor 1260	ug/kg							
Arochlor 1262	ug/kg							
Arochlor 1268	ug/kg							
Aldrin	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
Hexachlorobenzene	ug/kg							
Hexachlorobenzene	ug/kg	<7.4	<7.4	<7.5	<7.9	<7.2	<7.3	<13000
Chlordane	ug/kg	<25	<25	<25	<26	28	37	350000
alpha-Hexachlorocyclohexane	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
beta-Hexachlorocyclohexane	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
delta-Hexachlorocyclohexane	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
Lindane	ug/kg	<2.5	<2.5	<2.5	<2.6	<2.4	<2.4	<4200
Hexachlorocyclopentadiene	ug/kg							
Dieldrin	ug/kg	<4.9	<4.9	<5.0	<5.3	<4.8	<4.9	<8500
Endrin	ug/kg	<9.8	<9.9	<10	<11	<9.6	<9.8	<17000
Endrin aldehyde	ug/kg	<9.8	<9.9	<10	<11	<9.6	<9.8	<17000
Endrin ketone	ug/kg	<9.8	<9.9	<10	<11	<9.6	<9.8	<17000
4,4-DDT	ug/kg	8.0	7.3	<5.0	<5.3	8.3 P-	8.7 P-	<8500
Methoxychlor	ug/kg	<61	<62	<63	<66	<60	<61	<110000
4,4-DDD	ug/kg	<4.9	<4.9	<5.0	<5.3	<4.8	<4.9	<8500
4,4-DDE	ug/kg	<4.9	<4.9	<5.0	<5.3	<4.8	<4.9	<8500
Heptachlor Epoxide	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
Heptachlor	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
Endosulfan Sulfate	ug/kg	<9.8	<9.9	<10	<11	<9.6	<9.8	<17000
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg	<6.1	<6.2	<6.3	<6.6	<6.0	<6.1	<11000
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg	<9.8	<9.9	<10	<11	<9.6	<9.8	<17000
Toxaphene	ug/kg	<120	<120	<130	<130	<120	<120	<210000
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
3,3'-Dichlorobenzidine	ug/kg							
Acenaphthylene	ug/kg							
Aniline	ug/kg							
3-Nitroaniline	ug/kg							
2-Nitroaniline	ug/kg							
4-Chloroaniline	ug/kg							
4-Nitroaniline	ug/kg							
1,2,4,5-Tetrachlorobenzene	ug/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
Benzo(g,h,i)perylene	ug/kg							
Benzo(k)fluoranthene	ug/kg							
Carbazole	ug/kg							
Chrysene	ug/kg							
2-Methyl-4,6-Dinitrophenol	ug/kg							
3-Methyl-4-Chlorophenol	ug/kg							
m- & p- Cresol	ug/kg							
2-Methylphenol	ug/kg							
Di-n-butyl phthalate	ug/kg							
Dibenz(a,h)anthracene	ug/kg							
n-Nitrosodiphenylamine	ug/kg							
Nitrosodi-n-Propylamine	ug/kg							
Hexachloroethane	ug/kg							
4-Bromophenyl-phenylether	ug/kg							
4-Chlorophenylphenyl ether	ug/kg							
bis(2-Chloroisopropyl)ether	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg							
Fluoranthene	ug/kg							
Fluorene	ug/kg							
Indeno(1,2,3-c,d)pyrene	ug/kg							
bis(2-Chloroethoxy) Methane	ug/kg							
Naphthalene	ug/kg							
Naphthalene	ug/kg							
2-Chloronaphthalene	ug/kg							
Phenanthrene	ug/kg							
Phenol	ug/kg							
2,4,5-Trichlorophenol	ug/kg							
2,4,6-Trichlorophenol	ug/kg							
2,4-Dichlorophenol	ug/kg							
2,4-Dinitrophenol	ug/kg							
2-Nitrophenol	ug/kg							
p-Nitrophenol	ug/kg							
Pentachlorophenol	ug/kg							
Butylbenzylphthalate	ug/kg							
Diethyl Phthalate	ug/kg							
Dimethyl Phthalate	ug/kg							
Di-n-octyl phthalate	ug/kg							
Pyrene	ug/kg							
Pyridine	ug/kg							
bis(2-Ethylhexyl)phthalate	ug/kg							
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg							
Acetone	ug/kg							
Acrylonitrile	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
Anthracene	ug/kg							
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trimethylbenzene	ug/kg							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg							
Pentachloronitrobenzene	ug/kg							
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg							
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg							
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg							
Methyl Isobutyl ketone	ug/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-314	SS-315	SS-316	SS-317	SS-318	SS-318	SS-319
	Sample ID	1287383	1287384	1287394	1287395	1287396	1287406	1287397
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	14:20	14:40	14:45	15:00	15:00	16:00
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-39	13H1103-40	13H1103-41	13H1103-42	13H1103-43	13H1103-44	13H1103-45
Constituent	Units							
2-Chlorophenol	ug/kg							
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg							
2,6-Dinitrotoluene	ug/kg							
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg							
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
Date PCBs Analyzed	-	08/30/2013	08/30/2013					
Date Metals Analyzed	-	09/03/2013	08/30/2013					
Date Organics Analyzed	-	08/30/2013	08/30/2013					
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	09/04/2013	09/04/2013					
Date Semivolatile Organics Analyzed	-	09/05/2013	09/05/2013					
Alachlor	ug/kg							
2,4,5-Trichlorophenoxyacetic acid	ug/kg							
2,4-D	ug/kg							
Dicamba	ug/kg							
Dalapon	ug/kg							
Silvex	ug/kg							
Arsenic	mg/kg	<2.7	<2.7					
Barium	mg/kg	32	36					
Cadmium	mg/kg	<0.27	<0.27					
Chromium, Total	mg/kg	9.3	12					
Copper	mg/kg	12	12					
Lead	mg/kg	6.0	14					
Mercury	mg/kg	<0.027	<0.027					
Nickel	mg/kg	5.5	6.5					
Selenium	mg/kg	<5.4	<5.4					
Silver	mg/kg	<0.54	<0.54					
Zinc	mg/kg	24	30					
Arochlor 1016	ug/kg	<110	<110					
Arochlor 1221	ug/kg	<110	<110					
Arochlor 1232	ug/kg	<110	<110					
Arochlor 1242	ug/kg	<110	<110					
Arochlor 1248	ug/kg	<110	<110					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
Arochlor 1254	ug/kg	<110	<110					
Arochlor 1260	ug/kg	<110	<110					
Arochlor 1262	ug/kg	<110	<110					
Arochlor 1268	ug/kg	<110	<110					
Aldrin	ug/kg							
Hexachlorobenzene	ug/kg	<370	<3000					
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<370	<3000					
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Cyanide	mg/kg							

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	82	410					
3,3'-Dichlorobenzidine	ug/kg	<190	<1500					
Acenaphthylene	ug/kg	<190	2000					
Aniline	ug/kg	<370	<3000					
3-Nitroaniline	ug/kg	<370	<3000					
2-Nitroaniline	ug/kg	<370	<3000					
4-Chloroaniline	ug/kg	<720	<5800					
4-Nitroaniline	ug/kg	<370	<3000					
1,2,4,5-Tetrachlorobenzene	ug/kg	<370	<3000					
Benzo[a]anthracene	ug/kg	600	7800					
Benzo[b]fluoranthene	ug/kg	780	9400					
Benzo(a)pyrene	ug/kg	600	7500					
Benzo(g,h,i)perylene	ug/kg	330	3600					
Benzo(k)fluoranthene	ug/kg	300	3400					
Carbazole	ug/kg	<190	<1500					
Chrysene	ug/kg	670	8500					
2-Methyl-4,6-Dinitrophenol	ug/kg	<370 V-	<3000 V-					
3-Methyl-4-Chlorophenol	ug/kg	<720	<5800					
m- & p- Cresol	ug/kg	<370	<3000					
2-Methylphenol	ug/kg	<370	<3000					
Di-n-butyl phthalate	ug/kg	<370	<3000					
Dibenz(a,h)anthracene	ug/kg	<190	<1500					
n-Nitrosodiphenylamine	ug/kg	<370	<3000					
Nitrosodi-n-Propylamine	ug/kg	<370	<3000					
Hexachloroethane	ug/kg	<370	<3000					
4-Bromophenyl-phenylether	ug/kg	<370	<3000					
4-Chlorophenylphenyl ether	ug/kg	<370	<3000					
bis(2-Chloroisopropyl)ether	ug/kg	<370	<3000					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
bis(2-Chloroethyl)ether	ug/kg	<370	<3000					
Fluoranthene	ug/kg	860	16000					
Fluorene	ug/kg	<190	1800					
Indeno(1,2,3-c,d)pyrene	ug/kg	370	3900					
bis(2-Chloroethoxy) Methane	ug/kg	<370	<3000					
Naphthalene	ug/kg	<2.4	<2.0					
Naphthalene	ug/kg	<190	<1500					
2-Chloronaphthalene	ug/kg	<370	<3000					
Phenanthrene	ug/kg	320	13000					
Phenol	ug/kg	<370	<3000					
2,4,5-Trichlorophenol	ug/kg	<370	<3000					
2,4,6-Trichlorophenol	ug/kg	<370	<3000					
2,4-Dichlorophenol	ug/kg	<370	<3000					
2,4-Dinitrophenol	ug/kg	<720 V-	<5800 V-					
2-Nitrophenol	ug/kg	<370	<3000					
p-Nitrophenol	ug/kg	<720	<5800					
Pentachlorophenol	ug/kg	<370	<3000					
Butylbenzylphthalate	ug/kg	<370	<3000					
Diethyl Phthalate	ug/kg	<370	<3000					
Dimethyl Phthalate	ug/kg	<370	<3000					
Di-n-octyl phthalate	ug/kg	<730	<5900					
Pyrene	ug/kg	1100	16000					
Pyridine	ug/kg	<370	<3000					
bis(2-Ethylhexyl)phthalate	ug/kg	<370	<3000					
1,2-Dichloropropane	ug/kg	<1.2	<1.0					
Acenaphthene	ug/kg	<190	<1500					
Acetone	ug/kg	<61 L-	<51 L-					
Acrylonitrile	ug/kg	<3.7	<3.0					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
Anthracene	ug/kg	<190	2400					
Benzene	ug/kg	<1.2	<1.0					
1,2,3-Trichlorobenzene	ug/kg	<1.2	<1.0					
1,2,4-Trichlorobenzene	ug/kg	<1.2	<1.0					
1,2,4-Trichlorobenzene	ug/kg	<370	<3000					
1,2,4-Trimethylbenzene	ug/kg	<1.2	<1.0					
1,2-Dichlorobenzene	ug/kg	<1.2	<1.0					
1,3,5-Trimethylbenzene	ug/kg	<1.2	<1.0					
1,3-Dichlorobenzene	ug/kg	<1.2	<1.0					
1,4-Dichlorobenzene	ug/kg	<1.2	<1.0					
Bromobenzene	ug/kg	<1.2	<1.0					
Chlorobenzene	ug/kg	<1.2	<1.0					
Ethylbenzene	ug/kg	<1.2	<1.0					
Isopropylbenzene (Cumene)	ug/kg	<1.2	<1.0					
Nitrobenzene	ug/kg	<370	<3000					
Pentachloronitrobenzene	ug/kg	<370 V-	<3000 V-					
n-Propylbenzene	ug/kg	<1.2	<1.0					
sec-Butylbenzene	ug/kg	<1.2	<1.0					
tert-Butylbenzene	ug/kg	<1.2	<1.0					
Hexachlorobutadiene	ug/kg	<2.4	<2.0					
Hexachlorobutadiene	ug/kg	<370	<3000					
2-Butanone (MEK)	ug/kg	<24	<20					
trans-1,4-Dichlorobutene	ug/kg	<2.4	<2.0					
Carbon Disulfide	ug/kg	<3.7	<3.0					
Carbon Tetrachloride	ug/kg	<2.4	<2.0					
Isophorone	ug/kg	<370	<3000					
4-Isopropyltoluene	ug/kg	<1.2	<1.0					
Dibenzofuran	ug/kg	<370	<3000					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
Dichlorodifluoromethane	ug/kg	<12 L-	<10 L-					
1,1,1,2-Tetrachloroethane	ug/kg	<1.2	<1.0					
1,1,1-Trichloroethane	ug/kg	<1.2	<1.0					
1,1,2,2-Tetrachloroethane	ug/kg	<0.61	<0.51					
1,1,2-Trichloroethane	ug/kg	<1.2	<1.0					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<6.1	<5.1					
1,1-Dichloroethane	ug/kg	<1.2	<1.0					
Ethylene Dibromide	ug/kg	<1.2	<1.0					
1,2-Dichloroethane	ug/kg	<1.2	<1.0					
Chloroethane	ug/kg	<12	<10					
Methyl tert-Butyl ether	ug/kg	<2.4	<2.0					
1,1-Dichloroethylene	ug/kg	<2.4	<2.0					
trans-1,2-Dichloroethylene	ug/kg	<1.2	<1.0					
Vinyl Chloride	ug/kg	<6.1	<5.1					
Tetrachloroethylene	ug/kg	<1.2	<1.0					
Tetrahydrofuran	ug/kg	<6.1	<5.1					
Hexanone, 2-	ug/kg	<12	<10					
Bromomethane	ug/kg	<6.1 L-	<5.1 L-					
Bromodichloromethane	ug/kg	<1.2	<1.0					
Chloromethane	ug/kg	<6.1 L-	<5.1 L-					
Dibromochloromethane	ug/kg	<0.61	<0.51					
Methylene Dibromide	ug/kg	<1.2	<1.0					
Methylene Chloride	ug/kg	<12 L-	<10 L-					
Bromoform	ug/kg	<1.2	<1.0					
Chloroform	ug/kg	<2.4	<2.0					
Trichlorofluoromethane	ug/kg	<6.1	<5.1					
2-Methylnaphthalene	ug/kg	<190	<1500					
Methyl Isobutyl ketone	ug/kg	<12	<10					

Table 6-2
SOIL LABORATORY ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	Test Pit 1	Test Pit 2					
	Sample ID	1287349	1287350					
	Sample Date	08/29/2013	08/29/2013					
	Sample Time	08:30	08:50					
	Sample Depth	13'	13'					
	Laboratory	CONT	CONT					
	Lab. Number	13H1143-02	13H1143-03					
Constituent	Units							
2-Chlorophenol	ug/kg	<370	<3000					
1,2,3-Trichloropropane	ug/kg	<1.2	<1.0					
1,2-Dibromo-3-Chloropropane	ug/kg	<2.4	<2.0					
1,3-Dichloropropane	ug/kg	<0.61	<0.51					
sec-Dichloropropane	ug/kg	<1.2	<1.0					
1,1-Dichloropropene	ug/kg	<1.2	<1.0					
trans-1,3-Dichloropropene	ug/kg	<6.1	<5.1					
cis-1,3-Dichloropropene	ug/kg	<2.4	<2.0					
Styrene	ug/kg	<1.2	<1.0					
Toluene	ug/kg	<1.2	<1.0					
2,4-Dinitrotoluene	ug/kg	<370 V-	<3000 V-					
2,6-Dinitrotoluene	ug/kg	<370	<3000					
2-Chlorotoluene	ug/kg	<1.2	<1.0					
4-Chlorotoluene	ug/kg	<1.2	<1.0					
Trichloroethylene	ug/kg	<1.2	<1.0					
o-Xylene	ug/kg	<1.2	<1.0					
Xylenes,m- & p-	ug/kg	<2.4	<2.0					
2,4-Dimethylphenol	ug/kg	<370	<3000					
cis-1,2-Dichloroethylene	ug/kg	<1.2	<1.0					
n-Butylbenzene	ug/kg	<2.4	<2.0					
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Table 6-3
QA/QC SAMPLING AND ANALYTICAL INFORMATION
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/ PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
EQUIPMENT	1287357	08/26/2013		BKE								
EQUIPMENT	1287469	08/30/2013		BKE			x		x	x		
EQUIPMENT	1287473	08/30/2013		BKE			x		x	x		
TRIP BLANK	1287358	08/26/2013		BKT		x						
TRIP BLANK	1287352	08/27/2013		BKT		x						
TRIP BLANK	1287334	08/28/2013		BKT		x						
TRIP BLANK	1287344	08/29/2013		BKT		x						
TRIP BLANK	1287472	08/30/2013		BKT		x						

Printed on 11/21/2013

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
Date PCBs Analyzed	-	09/05/2013	09/05/2013					
Date Organics Analyzed	-			08/29/2013	08/29/2013	08/30/2013	08/30/2013	09/03/2013
Date Physical Analyzed	-	09/09/2013	09/09/2013					
Date Semivolatile Organics Analyzed	-	09/05/2013	09/05/2013					
Arochlor 1016	ug/L	<0.2	<0.2					
Arochlor 1221	ug/L	<0.2	<0.2					
Arochlor 1232	ug/L	<0.2	<0.2					
Arochlor 1242	ug/L	<0.2	<0.2					
Arochlor 1248	ug/L	<0.2	<0.2					
Arochlor 1254	ug/L	<0.2	<0.2					
Arochlor 1260	ug/L	<0.2	<0.2					
Arochlor 1262	ug/L	<0.2	<0.2					
Arochlor 1268	ug/L	<0.2	<0.2					
Hexachlorobenzene	ug/L	<10	<10					
Hexachlorocyclopentadiene	ug/L	<10	<10					
Total Petroleum Hydrocarbons (CT ETPH)	mg/L	<0.075	<0.075					
3,3'-Dichlorobenzidine	ug/L	<10	<10					
Acenaphthylene	ug/L	<5	<5					
Aniline	ug/L	<5	<5					
3-Nitroaniline	ug/L	<10	<10					
2-Nitroaniline	ug/L	<10	<10					
4-Chloroaniline	ug/L	<10	<10					
4-Nitroaniline	ug/L	<10	<10					
1,2,4,5-Tetrachlorobenzene	ug/L	<10	<10					
Benzo[a]anthracene	ug/L	<5	<5					
Benzo[b]fluoranthene	ug/L	<5	<5					
Benzo(a)pyrene	ug/L	<5	<5					
Benzo(g,h,i)perylene	ug/L	<5	<5					
Benzo(k)fluoranthene	ug/L	<5	<5					

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
Carbazole	ug/L	<10	<10					
Chrysene	ug/L	<5	<5					
2-Methyl-4,6-Dinitrophenol	ug/L	<10	<10					
3-Methyl-4-Chlorophenol	ug/L	<10	<10					
m- & p- Cresol	ug/L	<10	<10					
2-Methylphenol	ug/L	<10	<10					
Di-n-butyl phthalate	ug/L	<10	<10					
Dibenz(a,h)anthracene	ug/L	<5	<5					
n-Nitrosodiphenylamine	ug/L	<10	<10					
Nitrosodi-n-Propylamine	ug/L	<10	<10					
Hexachloroethane	ug/L	<10	<10					
4-Bromophenyl-phenylether	ug/L	<10	<10					
4-Chlorophenylphenyl ether	ug/L	<10	<10					
bis(2-Chloroisopropyl)ether	ug/L	<10	<10					
bis(2-Chloroethyl)ether	ug/L	<10	<10					
Fluoranthene	ug/L	<5	<5					
Fluorene	ug/L	<5	<5					
Indeno(1,2,3-c,d)pyrene	ug/L	<5	<5					
bis(2-Chloroethoxy) Methane	ug/L	<10	<10					
Naphthalene	ug/kg			<4	<4	<4.0	<4.0	<4
Naphthalene	ug/L	<5	<5					
2-Chloronaphthalene	ug/L	<10	<10					
Phenanthrene	ug/L	<5	<5					
Phenol	ug/L	<10	<10					
2,4,5-Trichlorophenol	ug/L	<10	<10					
2,4,6-Trichlorophenol	ug/L	<10	<10					
2,4-Dichlorophenol	ug/L	<10	<10					
2,4-Dinitrophenol	ug/L	<10	<10					
2-Nitrophenol	ug/L	<10	<10					

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
p-Nitrophenol	ug/L	<10	<10					
Pentachlorophenol	ug/L	<10	<10					
Butylbenzylphthalate	ug/L	<10	<10					
Diethyl Phthalate	ug/L	<10	<10					
Dimethyl Phthalate	ug/L	<10	<10					
Di-n-octyl phthalate	ug/L	<10	<10					
Pyrene	ug/L	<5	<5					
Pyridine	ug/L	<5	<5					
bis(2-Ethylhexyl)phthalate	ug/L	<10	<10					
1,2-Dichloropropane	ug/kg			<2	<2	<2.0	<2.0	<2
Acenaphthene	ug/L	<5	<5					
Acetone	ug/kg			<100	<100	<100 L-	<100 L-	<100
Acrylonitrile	ug/kg			<6	<6	<6.0	<6.0	<6
Anthracene	ug/L	<5	<5					
Benzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,2,3-Trichlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,2,4-Trichlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,2,4-Trichlorobenzene	ug/L	<5	<5					
1,2,4-Trimethylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,2-Dichlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,3,5-Trimethylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,3-Dichlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
1,4-Dichlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
Bromobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
Chlorobenzene	ug/kg			<2	<2	<2.0	<2.0	<2
Ethylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
Isopropylbenzene (Cumene)	ug/kg			<2	<2	<2.0	<2.0	<2
Nitrobenzene	ug/L	<10	<10					
Pentachloronitrobenzene	ug/L	<10	<10					

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
n-Propylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
sec-Butylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
tert-Butylbenzene	ug/kg			<2	<2	<2.0	<2.0	<2
Hexachlorobutadiene	ug/kg			<4	<2	<4.0	<4.0	<2
Hexachlorobutadiene	ug/L	<10	<10					
2-Butanone (MEK)	ug/kg			<40	<40	<40	<40	<40
trans-1,4-Dichlorobutene	ug/kg			<4	<4	<4.0	<4.0	<4
Carbon Disulfide	ug/kg			<6	<6	<6.0	<6.0	<6
Carbon Tetrachloride	ug/kg			<4	<2	<4.0	<4.0	<2
Isophorone	ug/L	<10	<10					
4-Isopropyltoluene	ug/kg			<2	<2	<2.0	<2.0	<2
Dibenzofuran	ug/L	<5	<5					
Dichlorodifluoromethane	ug/kg			<20	<20	<20 L-	<20 L-	<20
1,1,1,2-Tetrachloroethane	ug/kg			<2	<2	<2.0	<2.0	<2
1,1,1-Trichloroethane	ug/kg			<2	<2	<2.0	<2.0	<2
1,1,2,2-Tetrachloroethane	ug/kg			<1	<1	<1.0	<1.0	<1
1,1,2-Trichloroethane	ug/kg			<2	<2	<2.0	<2.0	<2
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg			<10	<10	<10	<10	<10
1,1-Dichloroethane	ug/kg			<2	<2	<2.0	<2.0	<2
Ethylene Dibromide	ug/kg			<2	<1	<2.0	<2.0	<1
1,2-Dichloroethane	ug/kg			<2	<2	<2.0	<2.0	<2
Chloroethane	ug/kg			<20	<20	<20	<20	<20
Methyl tert-Butyl ether	ug/kg			<4	<4	<4.0	<4.0	<4
1,1-Dichloroethylene	ug/kg			<4	<4	<4.0	<4.0	<4
trans-1,2-Dichloroethylene	ug/kg			<2	<2	<2.0	<2.0	<2
Vinyl Chloride	ug/kg			<10	<10	<10	<10	<10
Tetrachloroethylene	ug/kg			<2	<2	<2.0	<2.0	<2
Tetrahydrofuran	ug/kg			<10	<10	<10	<10	<10
Hexanone, 2-	ug/kg			<20	<20	<20	<20	<20

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
Bromomethane	ug/kg			<10	<10	<10 L-	<10 L-	<10
Bromodichloromethane	ug/kg			<2	<2	<2.0	<2.0	<2
Chloromethane	ug/kg			<10	<10	<10 L-	<10 L-	<10
Dibromochloromethane	ug/kg			<1	<1	<1.0	<1.0	<1
Methylene Dibromide	ug/kg			<2	<2	<2.0	<2.0	<2
Methylene Chloride	ug/kg			<20	<20	<20 L-	<20 L-	<20
Bromoform	ug/kg			<2	<4	<2.0	<2.0	<4
Chloroform	ug/kg			<4	<4	<4.0	<4.0	<4
Trichlorofluoromethane	ug/kg			<10	<10	<10	<10	<10
2-Methylnaphthalene	ug/L	<5	<5					
Methyl Isobutyl ketone	ug/kg			<20	<20	<20	<20	<20
2-Chlorophenol	ug/L	<10	<10					
1,2,3-Trichloropropane	ug/kg			<2	<2	<2.0	<2.0	<2
1,2-Dibromo-3-Chloropropane	ug/kg			<4	<2	<4.0	<4.0	<2
1,3-Dichloropropane	ug/kg			<1	<1	<1.0	<1.0	<1
sec-Dichloropropane	ug/kg			<2	<10	<2.0	<2.0	<10
1,1-Dichloropropene	ug/kg			<2	<2	<2.0	<2.0	<2
trans-1,3-Dichloropropene	ug/kg			<10	<1	<10	<10	<1
cis-1,3-Dichloropropene	ug/kg			<4	<1	<4.0	<4.0	<1
Styrene	ug/kg			<2	<2	<2.0	<2.0	<2
Toluene	ug/kg			<2	<2	<2.0	<2.0	<2
2,4-Dinitrotoluene	ug/L	<10	<10					
2,6-Dinitrotoluene	ug/L	<10	<10					
2-Chlorotoluene	ug/kg			<2	<2	<2.0	<2.0	<2
4-Chlorotoluene	ug/kg			<2	<2	<2.0	<2.0	<2
Trichloroethylene	ug/kg			<2	<2	<2.0	<2.0	<2
o-Xylene	ug/kg			<2	<2	<2.0	<2.0	<2
Xylenes,m- & p-	ug/kg			<4	<4	<4.0	<4.0	<4
2,4-Dimethylphenol	ug/L	<10	<10					

Table 6-4
QA/QC ANALYTICAL RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	EQUIPMENT	EQUIPMENT	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK	TRIP BLANK
	Sample ID	1287469	1287473	1287358	1287352	1287334	1287344	1287472
	Sample Date	08/30/2013	08/30/2013	08/26/2013	08/27/2013	08/28/2013	08/29/2013	08/30/2013
	Sample Time	13:01	13:00	08:30	09:30	09:30	08:38	09:30
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-02	13H1191-01	13H1007-21	13H1034-33	13H1103-15	13H1143-01	13H1191-03
Constituent	Units							
cis-1,2-Dichloroethylene	ug/kg			<2	<2	<2.0	<2.0	<2
n-Butylbenzene	ug/kg			<4	<2	<4.0	<4.0	<2
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Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
Date PCBs Analyzed	-	09/05/2013		09/05/2013		08/28/2013	08/28/2013	
Date Metals Analyzed	-	08/29/2013	08/29/2013					
Date Organics Analyzed	-	08/29/2013	08/29/2013					
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013	08/30/2013	09/09/2013		08/30/2013	08/30/2013	
Date Semivolatile Organics Analyzed	-	09/03/2013	09/04/2013	09/05/2013		08/30/2013	08/30/2013	
Alachlor	ug/kg							
Arsenic	mg/kg	<2.8	<2.8					
Barium	mg/kg	53	57	7				
Cadmium	mg/kg	<0.28	0.34					
Chromium, Total	mg/kg	11	13	20				
Copper	mg/kg	12	12	0.00				
Lead	mg/kg	41	27	41				
Mercury	mg/kg	0.049	<0.028					
Nickel	mg/kg	6.4	6.8	6.1				
Selenium	mg/kg	<5.6	<5.6					
Silver	mg/kg	<0.56	<0.56					
Zinc	mg/kg	56	41	31				
Arochlor 1016	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1221	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1232	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1242	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1248	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1254	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1260	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1262	ug/kg	<0.2		<0.2		<110	<110	
Arochlor 1268	ug/kg	<0.2		<0.2		<110	<110	
Aldrin	ug/kg							

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
Hexachlorobenzene	ug/kg	<1600	<7700	<10		<370	<750	
Hexachlorobenzene	ug/kg							
Chlordane	ug/kg							
alpha-Hexachlorocyclohexane	ug/kg							
beta-Hexachlorocyclohexane	ug/kg							
delta-Hexachlorocyclohexane	ug/kg							
Lindane	ug/kg							
Hexachlorocyclopentadiene	ug/kg	<1600	<7700	<10		<370	<750	
Dieldrin	ug/kg							
Endrin	ug/kg							
Endrin aldehyde	ug/kg							
Endrin ketone	ug/kg							
4,4-DDT	ug/kg							
Methoxychlor	ug/kg							
4,4-DDD	ug/kg							
4,4-DDE	ug/kg							
Heptachlor Epoxide	ug/kg							
Heptachlor	ug/kg							
Endosulfan Sulfate	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg							
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg							
Toxaphene	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	180	910	130		58	260	127
3,3'-Dichlorobenzidine	ug/kg	<780	<3800	<10		<190	<370	
Acenaphthylene	ug/kg	1300	<3800	<5		210	390	60.
Aniline	ug/kg	<1600	<7700	<5		<370	<750	
3-Nitroaniline	ug/kg	<1600	<7700	<10		<370	<750	
2-Nitroaniline	ug/kg	<1600	<7700	<10		<370	<750	

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
4-Chloroaniline	ug/kg	<3000	<15000	<10		<720	<1500	
4-Nitroaniline	ug/kg	<1600	<7700	<10		<370	<750	
1,2,4,5-Tetrachlorobenzene	ug/kg	<1600	<7700	<10		<370	<750	
Benzo[a]anthracene	ug/kg	7000	20000	100		1000	1800	60
Benzo[b]fluoranthene	ug/kg	7600	18000	81.25		1300	2200	50
Benzo(a)pyrene	ug/kg	6300	17000	92		1100	1700	40
Benzo(g,h,i)perylene	ug/kg	2600	6100	80.		670	750	10
Benzo(k)fluoranthene	ug/kg	2700	6900	88		440	800	60
Carbazole	ug/kg	<780	<3800	<10		<190	<370	
Chrysene	ug/kg	7400	21000	96		1300	2100	50
2-Methyl-4,6-Dinitrophenol	ug/kg	<1600	<7700	<10		<370	<750	
3-Methyl-4-Chlorophenol	ug/kg	<3000	<15000	<10		<720	<1500	
m- & p- Cresol	ug/kg	<1600	<7700	<10		<370	<750	
2-Methylphenol	ug/kg	<1600	<7700	<10		<370	<750	
Di-n-butyl phthalate	ug/kg	<1600	<7700	<10		<370	<750	
Dibenz(a,h)anthracene	ug/kg	840	<3800	<5		210	<370	
n-Nitrosodiphenylamine	ug/kg	<1600	<7700	<10		<370	<750	
Nitrosodi-n-Propylamine	ug/kg	<1600	<7700	<10		<370	<750	
Hexachloroethane	ug/kg	<1600	<7700	<10		<370	<750	
4-Bromophenyl-phenylether	ug/kg	<1600	<7700	<10		<370	<750	
4-Chlorophenylphenyl ether	ug/kg	<1600	<7700	<10		<370	<750	
bis(2-Chloroisopropyl)ether	ug/kg	<1600	<7700	<10		<370	<750	
bis(2-Chloroethyl)ether	ug/kg	<1600	<7700	<10		<370	<750	
Fluoranthene	ug/kg	13000	38000	98		1900	2900	41.67
Fluorene	ug/kg	1100	<3800	<5		<190	<370	
Indeno(1,2,3-c,d)pyrene	ug/kg	2900	7200	85		740	830	10
bis(2-Chloroethoxy) Methane	ug/kg	<1600	<7700	<10		<370	<750	
Naphthalene	ug/kg	<2.6	3.3					

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
Naphthalene	ug/kg	<780	<3800	<5		<190	<370	
2-Chloronaphthalene	ug/kg	<1600	<7700	<10		<370	<750	
Phenanthrene	ug/kg	8900	25000	95		990	1300	30
Phenol	ug/kg	<1600	<7700	<10		<370	<750	
2,4,5-Trichlorophenol	ug/kg	<1600	<7700	<10		<370	<750	
2,4,6-Trichlorophenol	ug/kg	<1600	<7700	<10		<370	<750	
2,4-Dichlorophenol	ug/kg	<1600	<7700	<10		<370	<750	
2,4-Dinitrophenol	ug/kg	<3000	<15000	<10		<720	<1500	
2-Nitrophenol	ug/kg	<1600	<7700	<10		<370	<750	
p-Nitrophenol	ug/kg	<3000	<15000	<10		<720	<1500	
Pentachlorophenol	ug/kg	<1600	<7700	<10		<370	<750	
Butylbenzylphthalate	ug/kg	<1600	<7700	<10		<370	<750	
Diethyl Phthalate	ug/kg	<1600	<7700	<10		<370	<750	
Dimethyl Phthalate	ug/kg	<1600	<7700	<10		<370	<750	
Di-n-octyl phthalate	ug/kg	<3100	<15000	<10		<730	<1500	
Pyrene	ug/kg	16000	35000	75		2500	3600	36
Pyridine	ug/kg	<1600	<7700	<5		<370	<750	
bis(2-Ethylhexyl)phthalate	ug/kg	<1600	<7700	<10		<370	<750	
1,2-Dichloropropane	ug/kg	<1.3	<1.1					
Acenaphthene	ug/kg	<780	<3800	<5		<190	<370	
Acetone	ug/kg	<64	<56					
Acrylonitrile	ug/kg	<3.9	<3.3					
Anthracene	ug/kg	1800	4400	84		<190	<370	
Benzene	ug/kg	<1.3	<1.1					
1,2,3-Trichlorobenzene	ug/kg	<1.3	<1.1					
1,2,4-Trichlorobenzene	ug/kg	<1.3	<1.1					
1,2,4-Trichlorobenzene	ug/kg	<1600	<7700	<5		<370	<750	
1,2,4-Trimethylbenzene	ug/kg	<1.3	<1.1					

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
1,2-Dichlorobenzene	ug/kg	<1.3	<1.1					
1,3,5-Trimethylbenzene	ug/kg	<1.3	<1.1					
1,3-Dichlorobenzene	ug/kg	<1.3	<1.1					
1,4-Dichlorobenzene	ug/kg	<1.3	<1.1					
Bromobenzene	ug/kg	<1.3	<1.1					
Chlorobenzene	ug/kg	<1.3	<1.1					
Ethylbenzene	ug/kg	<1.3	<1.1					
Isopropylbenzene (Cumene)	ug/kg	<1.3	<1.1					
Nitrobenzene	ug/kg	<1600	<7700	<10		<370	<750	
Pentachloronitrobenzene	ug/kg	<1600	<7700	<10		<370	<750	
n-Propylbenzene	ug/kg	<1.3	<1.1					
sec-Butylbenzene	ug/kg	<1.3	<1.1					
tert-Butylbenzene	ug/kg	<1.3	<1.1					
Hexachlorobutadiene	ug/kg	<1.3	<1.1					
Hexachlorobutadiene	ug/kg	<1600	<7700	<10		<370	<750	
2-Butanone (MEK)	ug/kg	<26	<22					
trans-1,4-Dichlorobutene	ug/kg	<2.6	<2.2					
Carbon Disulfide	ug/kg	<3.9	<3.3					
Carbon Tetrachloride	ug/kg	<1.3	<1.1					
Isophorone	ug/kg	<1600	<7700	<10		<370	<750	
4-Isopropyltoluene	ug/kg	<1.3	<1.1					
Dibenzofuran	ug/kg	<1600	<7700	<5		<370	<750	
Dichlorodifluoromethane	ug/kg	<13	<11					
1,1,1,2-Tetrachloroethane	ug/kg	<1.3	<1.1					
1,1,1-Trichloroethane	ug/kg	<1.3	<1.1					
1,1,2,2-Tetrachloroethane	ug/kg	<0.64	<0.56					
1,1,2-Trichloroethane	ug/kg	<1.3	<1.1					
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	<6.4	<5.6					

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
1,1-Dichloroethane	ug/kg	<1.3	<1.1					
Ethylene Dibromide	ug/kg	<0.64	<0.56					
1,2-Dichloroethane	ug/kg	<1.3	<1.1					
Chloroethane	ug/kg	<13	<11					
Methyl tert-Butyl ether	ug/kg	<2.6	<2.2					
1,1-Dichloroethylene	ug/kg	<2.6	<2.2					
trans-1,2-Dichloroethylene	ug/kg	<1.3	<1.1					
Vinyl Chloride	ug/kg	<6.4	<5.6					
Tetrachloroethylene	ug/kg	<1.3	<1.1					
Tetrahydrofuran	ug/kg	<6.4	<5.6					
Hexanone, 2-	ug/kg	<13	<11					
Bromomethane	ug/kg	<6.4	<5.6					
Bromodichloromethane	ug/kg	<1.3	<1.1					
Chloromethane	ug/kg	<6.4	<5.6					
Dibromochloromethane	ug/kg	<0.64	<0.56					
Methylene Dibromide	ug/kg	<1.3	<1.1					
Methylene Chloride	ug/kg	<13	<11					
Bromoform	ug/kg	<2.6	<2.2					
Chloroform	ug/kg	<2.6	<2.2					
Trichlorofluoromethane	ug/kg	<6.4	<5.6					
2-Methylnaphthalene	ug/kg	<780	<3800	<5		<190	<370	
Methyl Isobutyl ketone	ug/kg	<13	<11					
2-Chlorophenol	ug/kg	<1600	<7700	<10		<370	<750	
1,2,3-Trichloropropane	ug/kg	<1.3	<1.1					
1,2-Dibromo-3-Chloropropane	ug/kg	<1.3	<1.1					
1,3-Dichloropropane	ug/kg	<0.64	<0.56					
sec-Dichloropropane	ug/kg	<6.4	<5.6					
1,1-Dichloropropene	ug/kg	<1.3	<1.1					

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	RPD (%)	.	SB-314A	SB-314A	RPD (%)
	Sample ID	1287319	1287355	1287473		1287322	1287354	
	Sample Date	08/27/2013	08/27/2013	08/30/2013		08/27/2013	08/27/2013	
	Sample Time	12:10	12:10	13:00		13:20	13:21	
	Sample Depth	0' - 2'	0' - 2'			0' - 2'	0' - 2'	
	Laboratory	CONT	CONT	CONT		CONT	CONT	
	Lab. Number	13H1034-11	13H1034-12	13H1191-01		13H1034-15	13H1034-16	
Constituent	Units							
trans-1,3-Dichloropropene	ug/kg	<0.64	<0.56					
cis-1,3-Dichloropropene	ug/kg	<0.64	<0.56					
Styrene	ug/kg	<1.3	<1.1					
Toluene	ug/kg	<1.3	<1.1					
2,4-Dinitrotoluene	ug/kg	<1600	<7700	<10		<370	<750	
2,6-Dinitrotoluene	ug/kg	<1600	<7700	<10		<370	<750	
2-Chlorotoluene	ug/kg	<1.3	<1.1					
4-Chlorotoluene	ug/kg	<1.3	<1.1					
Trichloroethylene	ug/kg	<1.3	<1.1					
o-Xylene	ug/kg	<1.3	<1.1					
Xylenes,m- & p-	ug/kg	<2.6	<2.2					
2,4-Dimethylphenol	ug/kg	<1600	<7700	<10		<370	<750	
cis-1,2-Dichloroethylene	ug/kg	<1.3	<1.1					
n-Butylbenzene	ug/kg	<1.3	<1.1					
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Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
Date PCBs Analyzed	-	09/05/2013	09/05/2013					
Date Metals Analyzed	-					08/30/2013	08/30/2013	
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-					09/03/2013	09/03/2013	
Date Physical Analyzed	-	09/05/2013	09/05/2013					
Date Semivolatile Organics Analyzed	-	09/06/2013	09/06/2013					
Alachlor	ug/kg					<24	<24	
Arsenic	mg/kg					3.6	4.1	13
Barium	mg/kg					66	71	7
Cadmium	mg/kg					0.73	0.79	7.9
Chromium, Total	mg/kg					16	16	0.00
Copper	mg/kg					140	180	30
Lead	mg/kg					1100	1700	40
Mercury	mg/kg					0.070	0.099	34.3
Nickel	mg/kg					7.9	8.1	2.5
Selenium	mg/kg					<5.9	<5.9	
Silver	mg/kg					<0.59	<0.59	
Zinc	mg/kg					460	500	0.00
Arochlor 1016	ug/kg	<100	<110					
Arochlor 1221	ug/kg	<100	<110					
Arochlor 1232	ug/kg	<100	<110					
Arochlor 1242	ug/kg	<100	<110					
Arochlor 1248	ug/kg	<100	<110					
Arochlor 1254	ug/kg	<100	<110					
Arochlor 1260	ug/kg	<100	<110					
Arochlor 1262	ug/kg	<100	<110					
Arochlor 1268	ug/kg	<100	<110					
Aldrin	ug/kg					<6.0	<6.1	

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
Hexachlorobenzene	ug/kg	<360	<380					
Hexachlorobenzene	ug/kg					<7.2	<7.3	
Chlordane	ug/kg					28	37	30
alpha-Hexachlorocyclohexane	ug/kg					<6.0	<6.1	
beta-Hexachlorocyclohexane	ug/kg					<6.0	<6.1	
delta-Hexachlorocyclohexane	ug/kg					<6.0	<6.1	
Lindane	ug/kg					<2.4	<2.4	
Hexachlorocyclopentadiene	ug/kg	<360	<380					
Dieldrin	ug/kg					<4.8	<4.9	
Endrin	ug/kg					<9.6	<9.8	
Endrin aldehyde	ug/kg					<9.6	<9.8	
Endrin ketone	ug/kg					<9.6	<9.8	
4,4-DDT	ug/kg					8.3 P-	8.7 P-	4.71
Methoxychlor	ug/kg					<60	<61	
4,4-DDD	ug/kg					<4.8	<4.9	
4,4-DDE	ug/kg					<4.8	<4.9	
Heptachlor Epoxide	ug/kg					<6.0	<6.1	
Heptachlor	ug/kg					<6.0	<6.1	
Endosulfan Sulfate	ug/kg					<9.6	<9.8	
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, endo-	ug/kg					<6.0	<6.1	
Norbornene-2,3-dimethanol,hexachloro-5-, cyclic Sulfite, exo-	ug/kg					<9.6	<9.8	
Toxaphene	ug/kg					<120	<120	
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	18	25	30				
3,3'-Dichlorobenzidine	ug/kg	<180	<190					
Acenaphthylene	ug/kg	<180	<190					
Aniline	ug/kg	<360	<380					
3-Nitroaniline	ug/kg	<360	<380					
2-Nitroaniline	ug/kg	<360	<380					

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
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Loureiro
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	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
4-Chloroaniline	ug/kg	<700	<730					
4-Nitroaniline	ug/kg	<360	<380					
1,2,4,5-Tetrachlorobenzene	ug/kg	<360	<380					
Benzo[a]anthracene	ug/kg	<180	<190					
Benzo[b]fluoranthene	ug/kg	<180	<190					
Benzo(a)pyrene	ug/kg	<180	<190					
Benzo(g,h,i)perylene	ug/kg	<180	<190					
Benzo(k)fluoranthene	ug/kg	<180	<190					
Carbazole	ug/kg	<180	<190					
Chrysene	ug/kg	<180	<190					
2-Methyl-4,6-Dinitrophenol	ug/kg	<360	<380					
3-Methyl-4-Chlorophenol	ug/kg	<700	<730					
m- & p- Cresol	ug/kg	<360	<380					
2-Methylphenol	ug/kg	<360	<380					
Di-n-butyl phthalate	ug/kg	<360	<380					
Dibenz(a,h)anthracene	ug/kg	<180	<190					
n-Nitrosodiphenylamine	ug/kg	<360	<380					
Nitrosodi-n-Propylamine	ug/kg	<360	<380					
Hexachloroethane	ug/kg	<360	<380					
4-Bromophenyl-phenylether	ug/kg	<360	<380					
4-Chlorophenylphenyl ether	ug/kg	<360	<380					
bis(2-Chloroisopropyl)ether	ug/kg	<360	<380					
bis(2-Chloroethyl)ether	ug/kg	<360	<380					
Fluoranthene	ug/kg	<180	<190					
Fluorene	ug/kg	<180	<190					
Indeno(1,2,3-c,d)pyrene	ug/kg	<180	<190					
bis(2-Chloroethoxy) Methane	ug/kg	<360	<380					
Naphthalene	ug/kg							

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
Naphthalene	ug/kg	<180	<190					
2-Chloronaphthalene	ug/kg	<360	<380					
Phenanthrene	ug/kg	<180	<190					
Phenol	ug/kg	<360	<380					
2,4,5-Trichlorophenol	ug/kg	<360	<380					
2,4,6-Trichlorophenol	ug/kg	<360	<380					
2,4-Dichlorophenol	ug/kg	<360	<380					
2,4-Dinitrophenol	ug/kg	<700	<730					
2-Nitrophenol	ug/kg	<360	<380					
p-Nitrophenol	ug/kg	<700	<730					
Pentachlorophenol	ug/kg	<360	<380					
Butylbenzylphthalate	ug/kg	<360	<380					
Diethyl Phthalate	ug/kg	<360	<380					
Dimethyl Phthalate	ug/kg	<360	<380					
Di-n-octyl phthalate	ug/kg	<710	<750					
Pyrene	ug/kg	<180	200					
Pyridine	ug/kg	<360	<380					
bis(2-Ethylhexyl)phthalate	ug/kg	<360	<380					
1,2-Dichloropropane	ug/kg							
Acenaphthene	ug/kg	<180	<190					
Acetone	ug/kg							
Acrylonitrile	ug/kg							
Anthracene	ug/kg	<180	<190					
Benzene	ug/kg							
1,2,3-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg							
1,2,4-Trichlorobenzene	ug/kg	<360	<380					
1,2,4-Trimethylbenzene	ug/kg							

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
1,2-Dichlorobenzene	ug/kg							
1,3,5-Trimethylbenzene	ug/kg							
1,3-Dichlorobenzene	ug/kg							
1,4-Dichlorobenzene	ug/kg							
Bromobenzene	ug/kg							
Chlorobenzene	ug/kg							
Ethylbenzene	ug/kg							
Isopropylbenzene (Cumene)	ug/kg							
Nitrobenzene	ug/kg	<360	<380					
Pentachloronitrobenzene	ug/kg	<360	<380					
n-Propylbenzene	ug/kg							
sec-Butylbenzene	ug/kg							
tert-Butylbenzene	ug/kg							
Hexachlorobutadiene	ug/kg							
Hexachlorobutadiene	ug/kg	<360	<380					
2-Butanone (MEK)	ug/kg							
trans-1,4-Dichlorobutene	ug/kg							
Carbon Disulfide	ug/kg							
Carbon Tetrachloride	ug/kg							
Isophorone	ug/kg	<360	<380					
4-Isopropyltoluene	ug/kg							
Dibenzofuran	ug/kg	<360	<380					
Dichlorodifluoromethane	ug/kg							
1,1,1,2-Tetrachloroethane	ug/kg							
1,1,1-Trichloroethane	ug/kg							
1,1,2,2-Tetrachloroethane	ug/kg							
1,1,2-Trichloroethane	ug/kg							
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg							

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
1,1-Dichloroethane	ug/kg							
Ethylene Dibromide	ug/kg							
1,2-Dichloroethane	ug/kg							
Chloroethane	ug/kg							
Methyl tert-Butyl ether	ug/kg							
1,1-Dichloroethylene	ug/kg							
trans-1,2-Dichloroethylene	ug/kg							
Vinyl Chloride	ug/kg							
Tetrachloroethylene	ug/kg							
Tetrahydrofuran	ug/kg							
Hexanone, 2-	ug/kg							
Bromomethane	ug/kg							
Bromodichloromethane	ug/kg							
Chloromethane	ug/kg							
Dibromochloromethane	ug/kg							
Methylene Dibromide	ug/kg							
Methylene Chloride	ug/kg							
Bromoform	ug/kg							
Chloroform	ug/kg							
Trichlorofluoromethane	ug/kg							
2-Methylnaphthalene	ug/kg	<180	<190					
Methyl Isobutyl ketone	ug/kg							
2-Chlorophenol	ug/kg	<360	<380					
1,2,3-Trichloropropane	ug/kg							
1,2-Dibromo-3-Chloropropane	ug/kg							
1,3-Dichloropropane	ug/kg							
sec-Dichloropropane	ug/kg							
1,1-Dichloropropene	ug/kg							

Table 6-5
SOIL FIELD DUPLICATE SAMPLE RESULTS
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-339	SB-339	RPD (%)	.	SS-318	SS-318	RPD (%)
	Sample ID	1287451	1287455			1287396	1287406	
	Sample Date	08/30/2013	08/30/2013			08/28/2013	08/28/2013	
	Sample Time	12:20	12:20			15:00	15:00	
	Sample Depth	0' - 2'	0' - 2'			0-0.5'	0-0.5'	
	Laboratory	CONT	CONT			CONT	CONT	
	Lab. Number	13H1191-09	13H1191-05			13H1103-43	13H1103-44	
Constituent	Units							
trans-1,3-Dichloropropene	ug/kg							
cis-1,3-Dichloropropene	ug/kg							
Styrene	ug/kg							
Toluene	ug/kg							
2,4-Dinitrotoluene	ug/kg	<360	<380					
2,6-Dinitrotoluene	ug/kg	<360	<380					
2-Chlorotoluene	ug/kg							
4-Chlorotoluene	ug/kg							
Trichloroethylene	ug/kg							
o-Xylene	ug/kg							
Xylenes,m- & p-	ug/kg							
2,4-Dimethylphenol	ug/kg	<360	<380					
cis-1,2-Dichloroethylene	ug/kg							
n-Butylbenzene	ug/kg							
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-008	SB-015	SB-023	SB-038	SB-040	SB-040	SB-040
	Sample ID	1273782	1273802	1273805	1273867	1273811	1273811	1273812
	Sample Date	01/24/2013	01/25/2013	01/25/2013	01/29/2013	01/25/2013	01/25/2013	01/25/2013
	Sample Time	15:10	15:50	11:05	14:37	13:20	13:20	13:25
	Sample Depth	0.5' - 2.0'	0' - 2'	0.0' - 0.5'	0' - 2'	0.0' - 0.5'	0.0' - 0.5'	0.5' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-53	13A0687-39	13A0687-03	13A0745-07	13A0687-09	13A0687-09RE1	13A0687-10
Constituent	Units							
Date Metals Analyzed	-			02/01/2013				
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	01/30/2013			02/06/2013			
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013	01/31/2013		01/31/2013	01/31/2013	01/31/2013
Arsenic	mg/kg							
Copper	mg/kg							
Lead	mg/kg			610				
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	1000			570			
Benzo[a]anthracene	ug/kg	2200		4700		5300	5300	1400
Benzo[b]fluoranthene	ug/kg	6200	1100	4400		4400		2500
Benzo(a)pyrene	ug/kg	4100		3400		3600		1700
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-041	SB-042	SB-303	SB-309	SB-309	SB-310	SB-312A
	Sample ID	1273813	1273824	1287295	1287309	1287310	1287313	1287316
	Sample Date	01/25/2013	01/25/2013	08/26/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	13:45	15:00	12:38	10:05	10:10	10:40	11:35
	Sample Depth	0.0' - 0.5'	0.0' - 2.5'	0' - 4'	0' - 2'	2' - 4'	2' - 4'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-11	13A0687-22	13H1007-07	13H1034-01	13H1034-02	13H1034-05	13H1034-08
Constituent	Units							
Date Metals Analyzed	-			08/28/2013				
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-				08/30/2013	08/30/2013		08/30/2013
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013		08/30/2013	08/30/2013	08/30/2013	08/30/2013
Arsenic	mg/kg			11				
Copper	mg/kg							
Lead	mg/kg							
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg				710	750		920
Benzo[a]anthracene	ug/kg	1600	1400		2400	7200		6400
Benzo[b]fluoranthene	ug/kg	2000	1800		2800	7300	1100	7700
Benzo(a)pyrene	ug/kg	1500	1600		2200	6200		6300
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-313	SB-313	SB-313	SB-313	SB-313	SB-314A	SB-314A
	Sample ID	1287319	1287319	1287355	1287355	1287320	1287322	1287354
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	12:10	12:10	12:10	12:10	12:30	13:20	13:21
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	4' - 6'	0' - 2'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1	13I0179-01	13H1034-15	13H1034-16
Constituent	Units							
Date Metals Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-			08/30/2013		09/11/2013		
Date Semivolatile Organics Analyzed	-	08/30/2013	09/03/2013	08/30/2013	09/04/2013	09/11/2013	08/30/2013	08/30/2013
Arsenic	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg			910		790		
Benzo[a]anthracene	ug/kg	7000	7000	17000	20000	1600		1800
Benzo[b]fluoranthene	ug/kg	7400	7600	16000	18000	2000	1300	2200
Benzo(a)pyrene	ug/kg	6200	6300	13000	17000	1400	1100	1700
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-314A	SB-316A	SB-333	SB-333	SB-333	SB-333	SB-333
	Sample ID	1287323	1287363	1287447	1287448	1287448	1287450	1287450
	Sample Date	08/27/2013	08/27/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	13:25	14:10	10:25	10:30	10:30	10:40	10:40
	Sample Depth	2' - 4'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	6' - 8'	6' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-17	13H1034-22	13H1191-13	13H1191-12	13H1191-12RE1	13H1191-10	13H1191-10RE1
Constituent	Units							
Date Metals Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013
Arsenic	mg/kg							
Copper	mg/kg							
Lead	mg/kg							
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg	1100		1600	5600	5700	4600	4900
Benzo[b]fluoranthene	ug/kg	1600	1100	2100	6500	5500	4600	4400
Benzo(a)pyrene	ug/kg	1300		1600	4700	4600	3500	3900
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-03	SS-07	SS-08	SS-08	SS-09	SS-14	SS-18
	Sample ID	1273763	1273741	1273742	1273742	1273743	1273784	1273788
	Sample Date	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	11:13	09:50	09:55	09:55	10:00	13:35	14:06
	Sample Depth	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-16	13A0643-19	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-09	13A0643-05
Constituent	Units							
Date Metals Analyzed	-						01/30/2013	01/30/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-	01/29/2013	01/30/2013	01/29/2013	01/30/2013	01/29/2013		
Arsenic	mg/kg							
Copper	mg/kg							
Lead	mg/kg						470	730
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg		1200	9400	10000	2400		
Benzo[b]fluoranthene	ug/kg	1200	1400	9900	11000	3000		
Benzo(a)pyrene	ug/kg		1200	7300	8400	2200		
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-19	SS-300	SS-301	SS-303	SS-306	SS-307	SS-309
	Sample ID	1273789	1287377	1287378	1287380	1287387	1287388	1287390
	Sample Date	01/24/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	14:15	11:45	11:55	12:05	13:15	13:20	13:35
	Sample Depth	0' - 0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-04	13H1103-25	13H1103-26	13H1103-28	13H1103-31	13H1103-32	13H1103-34
Constituent	Units							
Date Metals Analyzed	-	01/30/2013			08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Pesticides/Herbicides Analyzed	-		09/03/2013	09/03/2013				
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg							
Copper	mg/kg						3300	
Lead	mg/kg	570			2000	2500	10000	410
Chlordane	ug/kg		66000	11000 V-				
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-310	SS-311	SS-312	SS-313	SS-314	SS-315	SS-316
	Sample ID	1287391	1287392	1287393	1287382	1287383	1287384	1287394
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013
	Sample Time	13:40	14:00	14:05	14:10	14:15	14:20	14:40
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1103-35	13H1103-36	13H1103-37	13H1103-38	13H1103-39	13H1103-40	13H1103-41
Constituent	Units							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							
Arsenic	mg/kg					15		
Copper	mg/kg							
Lead	mg/kg	530	1800	1200	530	840	480	1100
Chlordane	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg							
Benzo[b]fluoranthene	ug/kg							
Benzo(a)pyrene	ug/kg							
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Table 7-1
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE RDEC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SS-317	SS-318	SS-318	SS-319	Test Pit 2		
	Sample ID	1287395	1287396	1287406	1287397	1287350		
	Sample Date	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/29/2013		
	Sample Time	14:45	15:00	15:00	16:00	08:50		
	Sample Depth	0-0.5'	0-0.5'	0-0.5'	0-0.5'	13'		
	Laboratory	CONT	CONT	CONT	CONT	CONT		
	Lab. Number	13H1103-42	13H1103-43	13H1103-44	13H1103-45	13H1143-03		
Constituent	Units							
Date Metals Analyzed	-	08/30/2013	08/30/2013	08/30/2013				
Date Pesticides/Herbicides Analyzed	-				08/31/2013			
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-					09/05/2013		
Arsenic	mg/kg							
Copper	mg/kg							
Lead	mg/kg	660	1100	1700				
Chlordane	ug/kg				350000			
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg					7800		
Benzo[b]fluoranthene	ug/kg					9400		
Benzo(a)pyrene	ug/kg					7500		
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-002	SB-008	SB-015	SB-023	SB-023	SB-038	SB-040
	Sample ID	1270649	1273782	1273802	1273805	1273805	1273867	1273811
	Sample Date	01/24/2013	01/24/2013	01/25/2013	01/25/2013	01/25/2013	01/29/2013	01/25/2013
	Sample Time	13:10	15:10	15:50	11:05	11:05	14:37	13:20
	Sample Depth	0' - 0.5'	0.5' - 2.0'	0' - 2'	0.0' - 0.5'	0.0' - 0.5'	0' - 2'	0.0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-11	13A0643-53	13A0687-39	13A0687-03	13A0687-03RE1	13A0745-07	13A0687-09
Constituent	Units							
Date Organics Analyzed	-	01/31/2013						
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-		01/30/2013				02/06/2013	
Date Semivolatile Organics Analyzed	-		01/31/2013	01/31/2013	01/31/2013	01/31/2013		01/31/2013
Chlordane	ug/kg							
Dieldrin	ug/kg							
Heptachlor Epoxide	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg		1000				570	
Benzo[a]anthracene	ug/kg		2200		4700			5300
Benzo[b]fluoranthene	ug/kg		6200	1100	4400			4400
Benzo(a)pyrene	ug/kg		4100		3400			3600
Benzo(k)fluoranthene	ug/kg		2200		1500			1600
Fluoranthene	ug/kg				8000			
Phenanthrene	ug/kg					10000		
Pyrene	ug/kg				7700			
Acetone	ug/kg	22000						
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-040	SB-040	SB-041	SB-042	SB-309	SB-309	SB-310
	Sample ID	1273811	1273812	1273813	1273824	1287309	1287310	1287313
	Sample Date	01/25/2013	01/25/2013	01/25/2013	01/25/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	13:20	13:25	13:45	15:00	10:05	10:10	10:40
	Sample Depth	0.0' - 0.5'	0.5' - 2'	0.0' - 0.5'	0.0' - 2.5'	0' - 2'	2' - 4'	2' - 4'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0687-09RE1	13A0687-10	13A0687-11	13A0687-22	13H1034-01	13H1034-02	13H1034-05
Constituent	Units							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-					08/30/2013	08/30/2013	
Date Semivolatile Organics Analyzed	-	01/31/2013	01/31/2013	01/31/2013	01/31/2013	08/30/2013	08/30/2013	08/30/2013
Chlordane	ug/kg							
Dieldrin	ug/kg							
Heptachlor Epoxide	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg					710	750	
Benzo[a]anthracene	ug/kg	5300	1400	1600	1400	2400	7200	
Benzo[b]fluoranthene	ug/kg		2500	2000	1800	2800	7300	1100
Benzo(a)pyrene	ug/kg		1700	1500	1600	2200	6200	
Benzo(k)fluoranthene	ug/kg					1100	2700	
Fluoranthene	ug/kg	11000					13000	
Phenanthrene	ug/kg	5700				5500	9000	
Pyrene	ug/kg	10000				6600	16000	
Acetone	ug/kg							
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-312A	SB-313	SB-313	SB-313	SB-313	SB-313	SB-314A
	Sample ID	1287316	1287319	1287319	1287355	1287355	1287320	1287322
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013	08/27/2013
	Sample Time	11:35	12:10	12:10	12:10	12:10	12:30	13:20
	Sample Depth	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	4' - 6'	0' - 2'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-08	13H1034-11	13H1034-11RE1	13H1034-12	13H1034-12RE1	13I0179-01	13H1034-15
Constituent	Units							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-	08/30/2013			08/30/2013		09/11/2013	
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	09/03/2013	08/30/2013	09/04/2013	09/11/2013	08/30/2013
Chlordane	ug/kg							
Dieldrin	ug/kg							
Heptachlor Epoxide	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg	920			910		790	
Benzo[a]anthracene	ug/kg	6400	7000	7000	17000	20000	1600	
Benzo[b]fluoranthene	ug/kg	7700	7400	7600	16000	18000	2000	1300
Benzo(a)pyrene	ug/kg	6300	6200	6300	13000	17000	1400	1100
Benzo(k)fluoranthene	ug/kg	3100	2600	2700	5900	6900		
Fluoranthene	ug/kg	9800	11000	13000	28000	38000		
Phenanthrene	ug/kg	4400	8600	8900	21000	25000		
Pyrene	ug/kg	12000	15000	16000	36000	35000		
Acetone	ug/kg							
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

Loureiro
Engineering • Construction • EH&S • Energy • Waste

	Location ID	SB-314A	SB-314A	SB-316A	SB-333	SB-333	SB-333	SB-333
	Sample ID	1287354	1287323	1287363	1287447	1287448	1287448	1287450
	Sample Date	08/27/2013	08/27/2013	08/27/2013	08/30/2013	08/30/2013	08/30/2013	08/30/2013
	Sample Time	13:21	13:25	14:10	10:25	10:30	10:30	10:40
	Sample Depth	0' - 2'	2' - 4'	0' - 2'	0' - 2'	2' - 4'	2' - 4'	6' - 8'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1034-16	13H1034-17	13H1034-22	13H1191-13	13H1191-12	13H1191-12RE1	13H1191-10
Constituent	Units							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-	08/30/2013	08/30/2013	08/30/2013	09/06/2013	09/06/2013	09/06/2013	09/06/2013
Chlordane	ug/kg							
Dieldrin	ug/kg							
Heptachlor Epoxide	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg	1800	1100		1600	5600	5700	4600
Benzo[b]fluoranthene	ug/kg	2200	1600	1100	2100	6500	5500	4600
Benzo(a)pyrene	ug/kg	1700	1300		1600	4700	4600	3500
Benzo(k)fluoranthene	ug/kg					2400	2000	1800
Fluoranthene	ug/kg					10000	12000	9100
Phenanthrene	ug/kg					7800	7900	14000
Pyrene	ug/kg					11000	14000	9600
Acetone	ug/kg							
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

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	Location ID	SB-333	SS-03	SS-07	SS-08	SS-08	SS-09	SS-16
	Sample ID	1287450	1273763	1273741	1273742	1273742	1273743	1273786
	Sample Date	08/30/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013	01/24/2013
	Sample Time	10:40	11:13	09:50	09:55	09:55	10:00	13:52
	Sample Depth	6' - 8'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'	0' - 0.5'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13H1191-10RE1	13A0643-16	13A0643-19	13A0643-20	13A0643-20RE1	13A0643-21	13A0643-07
Constituent	Units							
Date Organics Analyzed	-							01/31/2013
Date Pesticides/Herbicides Analyzed	-							
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-	09/06/2013	01/29/2013	01/30/2013	01/29/2013	01/30/2013	01/29/2013	
Chlordane	ug/kg							
Dieldrin	ug/kg							
Heptachlor Epoxide	ug/kg							
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg	4900		1200	9400	10000	2400	
Benzo[b]fluoranthene	ug/kg	4400	1200	1400	9900	11000	3000	
Benzo(a)pyrene	ug/kg	3900		1200	7300	8400	2200	
Benzo(k)fluoranthene	ug/kg				3600	4100		
Fluoranthene	ug/kg	13000			18000 E	22000		
Phenanthrene	ug/kg	16000			28000 E	33000		
Pyrene	ug/kg	13000			13000 E	14000		
Acetone	ug/kg							22000
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Table 7-2
CONSTITUENTS DETECTED IN SOIL AT CONCENTRATIONS ABOVE THE GA PMC
Former Mystic Oral School for the Deaf

Loureiro
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	Location ID	SS-21	SS-300	SS-301	SS-302	SS-305	SS-319	Test Pit 2
	Sample ID	1273791	1287377	1287378	1287379	1287386	1287397	1287350
	Sample Date	01/24/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/28/2013	08/29/2013
	Sample Time	14:45	11:45	11:55	12:00	13:00	16:00	08:50
	Sample Depth	0' - 0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	0-0.5'	13'
	Laboratory	CONT	CONT	CONT	CONT	CONT	CONT	CONT
	Lab. Number	13A0643-02	13H1103-25	13H1103-26	13H1103-27	13H1103-30	13H1103-45	13H1143-03
Constituent	Units							
Date Organics Analyzed	-							
Date Pesticides/Herbicides Analyzed	-	01/28/2013	09/03/2013	09/03/2013	09/03/2013	09/03/2013	08/31/2013	
Date Physical Analyzed	-							
Date Semivolatile Organics Analyzed	-							09/05/2013
Chlordane	ug/kg	210	66000	11000 V-	73 V-		350000	
Dieldrin	ug/kg					21		
Heptachlor Epoxide	ug/kg	39						
Total Petroleum Hydrocarbons (CT ETPH)	mg/kg							
Benzo[a]anthracene	ug/kg							7800
Benzo[b]fluoranthene	ug/kg							9400
Benzo(a)pyrene	ug/kg							7500
Benzo(k)fluoranthene	ug/kg							3400
Fluoranthene	ug/kg							16000
Phenanthrene	ug/kg							13000
Pyrene	ug/kg							16000
Acetone	ug/kg							
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Table 8-1
UPDATED CONCEPTUAL SITE MODEL / PHASE II/III SUBSURFACE INVESTIGATION ACTIVITIES
Former Mystic Oral School for the Deaf Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern[1]	Summary of Investigations	Summary of Phase II/III Investigation Activity Results	Conclusions of Phase II/III Investigation Activity Results and Preliminary Comparison to RSR Criteria[2]
AOC 1 Recreation Field	This area of the Site was used historically to grow crops. Several small buildings associated with farming activities were formerly located within this AOC. This area of the Site has also been used as a baseball diamond and a football field. Fill material has reportedly been placed in the area of this field to maintain its playing condition.	Pesticides and herbicides may have been historically applied to the ground in this area of the Site. Constituents that comprise the pesticides and herbicides may have resulted in contamination of surface soils and may have migrated to the deeper soils and groundwater. In addition, any constituents that may have been present in contaminated fill placed in this area of the Site may have leached from the fill due to infiltrating precipitation and may have migrated to deeper soils and possibly groundwater.	ETPH, PAHs, pesticides	Soil Borings LEA-300 through LEA-302; LEA-306 through LEA-308	SB-300 through SB-302 were advanced along the perimeter and southern corner of the recreation field. Metals and ETPH were detected in all samples collected from these locations at very low values. PAHs were detected at low levels in only one sample, SB-302 2-4 fbg. SB-306 through SB-308 were advanced in the northern corner of the field surrounding SB-008 with the purpose of delineating elevated ETPH and PAHs concentrations. ETPH was detected in all samples collected during the phase III investigation, at levels not indicative of a release. PAHs were not detected in any samples. Native material was encountered at SB-306 4-8 fbg. A sample was collected and analyzed for pesticides. 4,4-DDD was the only pesticide detected in this sample, at a concentration of 20 ug/kg. This concentration is below applicable RSR criteria for soil.	Based on the results of the Phase III investigation, the high levels of ETPH and PAHs detected in a sample from SB-008 are the result of a localized spill and not from use of contaminated fill material in the area. Some type of remediation will likely be needed to address the ETPH and PAHs in exceedance of the RDEC at SB-008.
AOC 2 Fire Training Area	The 0 Oral School Road parcel located on the western portion of the Site is the former location of the Cook's House. This parcel is currently used as a fire fighting training center. The former Cook's House was destroyed in a fire during fire fighting training exercises. Fill material has been placed within this AOC, generally in the vicinity of the paved parking lot.	Hazardous substances and/or petroleum products may have been released to the ground as a result of fire fighting training exercises. Constituents could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. The constituents could possibly migrate to the underlying soil and groundwater. In addition, any constituents that may have been present in contaminated fill placed in this area of the Site may have leached from the fill due to infiltrating precipitation or water generated during fire fighting exercises, and may have migrated to deeper soils and possibly groundwater.	VOCs, ETPH, PAHs, Metals	Soil Borings SB-326 through SB-331	SB-326 through SB-328 were advanced near the former Cook's house. Samples collected from these locations were analyzed for PAHs and metals. Several metals were detected in all samples. Lead was detected in SB-326 0-2 fbg at a concentration of 190 mg/kg. While this concentration is above background and may be indicative of a release, it is below applicable RSR criteria for soil. PAHs were not detected in any of these samples. SB-329 through SB-331 were advanced near the parking area and samples were analyzed for VOCs and ETPH. ETPH was detected at very low values in all but the sample collected 0-2 fbg at SB-331. The concentration of ETPH in this sample was 190 mg/kg. This sample also contained the only VOC detected in this area; naphthalene, detected at 9.9 mg/kg. The concentrations of ETPH and naphthalene in this area are below applicable RSR criteria for soil.	Elevated lead concentrations in this area may be a result of the controlled burning of the Cook's house. If the house contained lead based paint, burning it down may have released lead to the soil. Although the concentrations for lead are elevated, they do not exceed applicable RDEC, therefore remediation is not warranted. A common laboratory contaminant is acetone. This may have lead to an elevated detection of acetone in this area. A separate hypothesis concludes that the acetone had been used as a fire accelerant in this area. Because we cannot determine which of these two possibilities actually caused this detection, it must be treated as contamination. The concentration of acetone is above applicable RDEC making it likely that some form of remediation will be warranted for this area
AOC 3 Solid Waste Disposal Area	The area located north of the entrance to the Pratt Building has been used as a disposal area for scrap metal, wood, asphalt, bricks, and other solid waste	The bulky waste does not pose a direct risk to human health, however constituents of concern could leach from the waste materials and could infiltrate soil and possibly migrate to groundwater.	ETPH, SVOCs, VOCs, PCBs, Metals	Soil Samples: Test Pit 1, Test Pit 2 6 Test Pit excavations for visual observation	Five test pit locations were excavated along the edge of the waste disposal area; one was excavated in the center. All test pits were excavated to a depth of 16 fbg. Photos taken during the excavations, show debris throughout the area including asphalt chunks, large plastic sheets, concrete with metal rebar and bottles. Two soil samples were collected, both at 13 fbg, from the test pits associated with their name. Several metals were detected in both samples collected at concentrations consistent with background values. ETPH was detected in both samples. The concentration of ETPH in the sample from test pit 2 is 410 mg/kg, indicative of a release of hazardous materials. Elevated PAHs were detected in both test pit samples. While both are indicative of a release, concentrations of PAHs detected in Test Pit 2 are above applicable RSR criteria for soil.	This is an area where debris including concrete, large rocks, plastic sheeting and small amounts of wood has been disposed of. Samples were collected at the surface as well as up to 13 fbg. VOCs, metals and PCBs were not detected in any of the samples collected in this AOC. PAHs were detected at levels exceeding applicable RDEC, it is likely that some form of remediation will be required for this area.
AOC 4 Former Oiled Gravel Driveway	This driveway located north of the Girls Wing was formerly identified as an "Existing Oiled Gravel Driveway." Used oil would have been applied to the gravel driveway to control dust.	This driveway located north of the Girls Wing was formerly identified as an "Existing Oiled Gravel Driveway." Used oil would have been applied to the gravel driveway to control dust.	PAHS	No phase III additional investigation	Soil samples were not collected from this area during the phase III investigation.	An exceedance of benzo(b)fluoranthene was detected 0-2 fbg at SB-015. Samples collected from two other borings in this area detected little to no PAHs. It is likely that remediation will be needed in the area surrounding SB-015 to address exceedance of applicable RDEC.
AOC 5 Former and	A number of USTs have been used at the Site to store heating oil. One heating oil UST has been abandoned-in place and	Constituents in heating oil have spilled to the ground surface during filling operations. Releases could result	ETPH, PAHs	Soil Borings SB-319, SB-320, SB-321, SB-323	Four soil borings were advanced in the USTs present near the Rainbow house, Boys wing and the Administration	It is uncertain, but possible that the existing tanks will need to be removed from the site. Removal will be required for ultimate

Table 8-1
UPDATED CONCEPTUAL SITE MODEL / PHASE II/III SUBSURFACE INVESTIGATION ACTIVITIES
Former Mystic Oral School for the Deaf Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern[1]	Summary of Investigations	Summary of Phase II/III Investigation Activity Results	Conclusions of Phase II/III Investigation Activity Results and Preliminary Comparison to RSR Criteria[2]
Existing Underground Storage Tanks	four other heating oil USTs have been removed from the Site. In addition, one UST formerly used to store gasoline was removed from the Site. A diesel fuel UST associated with the Emergency Generator was also removed from the Site. Existing heating oil USTs at the Site include three 10,000-gallon USTs. Releases of petroleum hydrocarbons associated with USTs at the Site have previously been reported. While the laboratory analytical data for samples collected following response actions taken to address these releases indicate that the impacts have been cleaned-up, there may have been other UST releases that have not been addressed.	from overfilling, and/or leaks in the tanks and appurtenant piping. Substances that may have been released at the ground surface could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. Constituents could then migrate to the underlying soil and possibly to groundwater. Substances that may have been released below the ground surface could migrate through the soil and could potentially impact groundwater.			building's boiler room. Samples were not collected from these borings because refusal was encountered before reaching the required depth to sample.	assurance for a clean land parcel. A line item will be included in the cost estimate for remediation.
AOC 6 Existing Heating Oil Aboveground Storage Tanks	There are two existing 275-gallon heating oil ASTs maintained at the Site. One AST is located in the basement of the Rainbow House, and the other is located in the Maintenance Garage. The concrete floors beneath each tank were observed to be stained with oil.	Releases of petroleum products may have occurred during transfer and storage. Releases during filling could result from overflows at the exterior fill ports and tank vents. Releases during storage could result from leaks in the tanks and appurtenant piping. Releases of petroleum products within the buildings could have resulted in substances penetrating the concrete slab, and/or migrating through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	None	No phase III sampling was conducted in this AOC	Results from the phase II investigation indicate that the soil beneath the aboveground storage tanks has not been impacted with hazardous materials. Additional sampling during the phase III process was not required.	There is no evidence that a release has occurred at the aboveground storage tanks associated with the Rainbow house or the Maintenance garage. No remediation is required in this area.
AOC 7 Perimeter of Existing Buildings	Given the age of the Site buildings and apparent extended use of pesticides and herbicides to control pests and weeds, the possibility of contamination in the shallow soils exists as a result of the application of these substances. Pesticides and herbicides would have typically been applied to the ground surface along the perimeter of buildings. Also, given the age of the site buildings it is possible that lead-based paint was applied to the exterior of the buildings. Any lead-based paint that leached from weathered window frames or other exterior wood building components, or that peeled from exterior concrete block, may have resulted in the release of lead to shallow soil. Evidence that paint had leached from the window frames was visually observed during the Phase I ESA activities	Constituents in pesticides and herbicides may have migrated through surface soils to deeper soils and possibly to groundwater where they were applied. In addition, any lead-based paint applied to wooden window frames may have impacted surface soils and leached from these soils due to infiltrating precipitation thereby affecting deeper soils and possibly groundwater.	Pesticides, Metals	Soil Samples: SS-300 through SS-319	All soil samples were collected 0-0.5 fbg and within 2 feet from the nearest building Pesticides were detected in 15. of the 20 locations surrounding existing buildings. Of these 15 locations, five had concentrations of pesticides above applicable RSR criteria for soil. Chlordane was detected in SS-300, SS-301, SS-302 and SS-319 at concentrations of 66,000 ug/kg, 11,000 ug/kg, 73 ug/kg and 350,000 ug/kg respectively. Dieldrin was detected at a concentration of 21 ug/kg at SS-305. Several metals were detected in all sample locations in this AOC. The concentration of lead exceeded applicable RSR criteria in 13 locations. The concentrations of copper at 3300 mg/kg at SS-307 and Arsenic, detected in SS-314 at a concentration of 15 mg/kg also exceed applicable RSR critera.	It is likely that some form of remediation will be needed to address the exceedances of applicable RDEC for soil along the perimeter of the Administration, Girls wing, Boys wing, Crouter, Rainbow House, Rainbow House garage and Wood Shed. Phase II sampling results taken along the perimeters of the Durant and Pratt buildings indicated that no remediation is required in these areas.
AOC 8 Transformers	Three exterior, wet-type electrical transformers are situated upon concrete pads. Dielectric fluids within the transformers may contain PCBs, or at one time may have contained PCBs. No stains were observed on the concrete pads.	Dielectric fluid contained within the transformers may have leaked onto the concrete pads. The fluid could have migrated toward cracks in the concrete or toward areas surrounding the pads. The fluids could then migrate to the underlying soil and possibly to groundwater.	ETPH, PAHs, PCBs	Soil Boring SB-314A, SB-315A, SB-324, SB-325, SB-332, SB-339	Pratt Building – SB-332 was advanced near the transformer associated with the Pratt Building. The only constituent detected was ETPH, at a concentration of 11 mg/kg. Durant Building – SB-324, SB-325 and SB-339 were advanced in proximity to the transformer near the loading docks of the Durant building. ETPH was detected in all samples collected in this area, at very low concentrations. One PAH, pyrene, was detected 0-2 fbg at SB-339. The concentration of pyrene was 200 mg/kg, below applicable RSR criteria for soil. Emergency Generator – SB-314A and SB-315A were advanced to delineate elevated levels of ETPH detected in samples collected around the transformer adjacent to the emergency generator. ETPH was detected at elevated levels 0-2 fbg and 2-4 fbg at SB-314A. Additionally, PAHs were detected in samples collected 0-2 fbg and 2-4 fbg at SB-314A and 0-2 fbg at SB-315A. The concentrations of ETPH and PAHs in the samples collected from these locations are indicative of a petroleum release. It is likely that the constituents detected in this area are a result of a release from the adjacent emergency generator rather than from the	Emergency Generator - Some type of remediation will likely be warranted to address PAHs which exceed applicable RDEC in samples collected from SB-314A. As mentioned, the release of petroleum products in this area is likely a result of the emergency generator (AOC-13) and not from the transformer in this area. Durant Building – There is no evidence that a release of hazardous materials has occurred in this area. Remediation is not required.

Table 8-1
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Former Mystic Oral School for the Deaf Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern[1]	Summary of Investigations	Summary of Phase II/III Investigation Activity Results	Conclusions of Phase II/III Investigation Activity Results and Preliminary Comparison to RSR Criteria[2]
					transformer itself.	
AOC 9 Crouter Building	This building was used for classroom space, a carpentry shop, a paint room/spray paint booth, an internal combustion engine laboratory, and a gymnasium. The building is currently used to store equipment and materials including empty containers of hydrochloric acid. Areas of the floor within the internal combustion engine laboratory were observed to be stained.	Hazardous substances and petroleum products may have spilled to the concrete floor of the building and may have migrated through the floor or through cracks in the floor, thereby impacting underlying soils.	None	No phase III sampling was required for this area.	No phase III sampling was required for this area.	Based on the analytical results from samples taken in this area during the phase II investigation, there is no evidence that a release of hazardous materials has occurred here. Remediation is not required for the soil beneath the Crouter Building.
AOC 10 Administration Building and Girls Wing Boiler Room	The boilers within the Administration Building and the basement of the Girls Wing are used to provide steam and hot water. The boilers are fueled using No. 4 heating oil, but had previously been fueled using No. 6 heating oil and pre-heaters. Originally, the boiler within the Girls Wing was fueled using coal. A coal chute was located along the Boiler Room east wall. A release of heating oil was reported to have occurred within the Boiler Room of the Administration Building. The release resulted in the migration of heating oil across the floor into the Boiler Room sump. In addition, boiler blow down water that is discharged on a daily basis to the sump was historically discharged through the concrete floor of this room.	Releases of hazardous substances or petroleum products could have resulted from the daily discharge of boiler blow down water. Releases of petroleum products within the building could have resulted in substances traveling through the existing sump and/or penetrating the concrete slab, and/or migrating through the cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs. ETPH, PAHs	Soil Borings SB-351, SB-352, SB-353	SB-351 was advanced to 1.5 fbg in the Administration Building's boiler room. ETPH was the only constituent detected in this sample. The concentration of ETPH was 15 mg/kg. SB-352 and SB-353 were advanced to depths of 0.66 fbg in the Girls Wing boiler room. No constituents were detected in the sample collected from SB-352. ETPH and PAHs were detected at concentrations indicative of a release in the sample collected from SB-353. ETPH was detected at 450 mg/kg and several PAHs were detected at concentrations ranging from 220 mg/kg to 880 mg/kg.	Based on the elevated levels of ETPH and PAHs detected in the sample collected at SB-353, it is likely some form of remediation will be required in the Girls wing boiler room. There is no evidence of release of hazardous materials to soil in the Administration building boil room. Remediation is not required in this area.
AOC 11 Administration Building Storage Rooms ad Photography Lab	The storage rooms within the Administration Building include the Janitor Room, which was observed to contain a number of chemical cleaning products. The floor of this room was observed to be stained. The photography lab located on the ground floor of the Boys Wing was observed to be constructed of cinder block. The floor within this laboratory appeared to be in relatively good condition. No staining was observed. A drain located within this room was reported to be connected to the on-site wastewater discharge system.	Hazardous substances spilled to the floor of the building may have migrated through the floor drain piping or concrete slab and/or may have migrated through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater.	None	No phase III sampling was required for this area.	No phase III sampling was required for this area.	Based on the analytical results from samples taken in this area during the phase II investigation, there is no evidence that a release of hazardous materials has occurred here. Remediation is not required for the soil in this area.
AOC 12 Hydraulic Elevators	Two hydraulically-powered elevators exist within the Administration Building: a passenger elevator is located within the central part of the Administration Building, and a freight elevator is located adjacent to the loading dock within this building and was formerly used to deliver goods to the kitchen located on the second floor. In addition, one pulley-operated elevator is located within the Boiler Room of the Administration building. The concrete floor was stained near the hydraulic reservoir of the freight elevator located adjacent to the loading dock of the Administration building.	Releases of petroleum products and/or hazardous substances could have resulted from past use of the elevators. Stains on the concrete floor adjacent to the hydraulic reservoir is evidence that hydraulic oil may have been resulted in impacts to underlying soil. Hydraulic oil released to the floor may have penetrated the floor and/or may have migrated through cracks or joints in the concrete slab floor and may have affected the underlying soil.	VOCs, PAHs, ETPH, PCBs, Metals	Unable to collect samples.	Unable to collect samples.	Sampling in these areas was not possible during the phase III investigation. If the building is torn down, investigation will be required.
AOC 13 Emergency Generator	An Emergency Generator is located in the parking area north of the Administration Building. This generator provides back-up power to the Administration Building. The reported release of approximately 150 to 200 gallons of diesel oil to the ground in the area of the Emergency Generator may have impacted subsurface soil. In addition, there may have been other releases of diesel oil from the UST formerly located in this AOC.	Diesel oil may have been released directly to the soil from a leak in the UST or subsurface piping. Oil released to the ground may have migrated through shallow soil and impacted subsurface soils.	VOCs, ETPH, PAHs	Soil.Borings SB-312A, SB-313, SB-316A, SB-333	Concentrations of ETPH exceed applicable RSR criteria for soil in samples collected from SB-312A and SB-313. Concentrations of several PAHS exceed applicable RSR criteria for soil in samples collected from SB-312A, SB-313, SB-316A and SB-333.	High concentrations of ETPH and several PAHs in this AOC make it likely that some type of remediation will be needed for soil in this AOC.
AOC 14 Maintenance / Storage Areas	A heating oil furnace and associated 275-gallon heating oil AST is located along the southern wall of the Maintenance Garage. Gasoline is stored in this building. The garage is used to perform routine maintenance on power and other equipment. Several containers of liquid waste are stored in	Releases of petroleum products may have occurred during transfer and storage. Releases during filling could result from overflows at the exterior fill ports and tank vents. Releases during storage could result from leaks in the tanks and appurtenant piping. Releases of petroleum products	VOCs, PAHs, ETPH, metals	Soil Borings SB-322, SB-350	SB-322 was advanced outside the Wood shed to delineate ETPH, which had been detected at elevated levels during the Phase II investigation. Samples collected from 0-2 fbg and 2-4 fbg were analyzed for ETPH. ETPH was detected in both samples at low concentrations.	It is likely that some form of remediation will be needed to address the exceedance of applicable RDEC for ETPH in the woodshed. Soil sample results indicate we have delineated the area that will need to be remediated. Soil sample results indicate that there have been no releases of

Table 8-1
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Former Mystic Oral School for the Deaf Groton, Connecticut

Area of Concern	Description & Background	Potential Contaminant Sources and Migration Pathways	Constituents of Concern[1]	Summary of Investigations	Summary of Phase II/III Investigation Activity Results	Conclusions of Phase II/III Investigation Activity Results and Preliminary Comparison to RSR Criteria[2]
	the Wood Shed. Waste oils and waste gasoline were observed to be stored on a containment pallet in this shed. Also, the concrete floor of this shed was observed to be heavily stained with oil.	within the building could have resulted in substances penetrating the concrete slab, and/or migrating through cracks or joints in the slab. These substances could then migrate to the underlying soil and possibly to groundwater. If the paint contained metals or PCBs, then flakes of paint could have accumulated on and impacted the ground surface beneath the garage.			SB-350 was advanced in the maintenance garage to a depth of 4.03 fbg. Samples were analyzed for VOCs, PAHs, ETPH and metals. Several metals and ETPH were detected at low levels in the 0-2 fbg and 2-4.03 fbg samples collected at this location.	hazardous materials to soil below the Maintenance garage.
AOC 15 Pratt Buidling Mechanical Rooms	The Pratt Building Mechanical Rooms include the boiler room and the pool chemical supply room. The floor of the boiler room was observed to be stained in several areas. The pool chemical supply room was formerly used to add chlorine to circulated pool water and to back-flush the pool water. The floor of this room was also observed to be stained. The staining that was observed is typical for the mechanical functions served by these rooms.	Releases of hazardous substances or petroleum products could initially impact and penetrate the floor, and/or migrate toward joints and/or cracks in the floor. These substances could subsequently migrate to underlying soil and groundwater.	None	No phase III sampling was required for this area.	No phase III sampling was required for this area.	Based on the analytical results from samples taken in this area during the phase II investigation, there is no evidence that a release of hazardous materials has occurred here. Remediation is not required for the soil in this area.
AOC 16 Former Site Features	The Former Rubbish Burner, Shop, and Garage were located north of the driveway/parking area that is north of the Administration Building.	Hazardous substances or petroleum products may have been released during historic use of the former Rubbish Burner, Shop, and Garage. Substances released at the ground surface could initially impact and penetrate the surface soil or asphalt pavement and/or migrate toward cracks in the pavement or areas surrounding the pavement. Substances could then migrate to subsurface soil and possibly to groundwater. If the Rubbish Burner was an in-ground rubbish burner, then substances could have been released directly to subsurface soil.	VOCs, PAHs, ETPH, metals	Soil Borings SB-303 through SB-305; SB-309 through SB-311	SB-303 was advanced in the vicinity of the former rubbish burner. Arsenic was detected in a sample collected 0-4 fbg at this location at 11 mg/kg. This concentration exceeds the applicable RSR criteria for soil. SB-304 and SB-305 were advanced in the vicinity of the former shop. ETPH was detected at elevated levels at both locations. Several PAHs were also detected at both locations. None of the constituents detected exceed applicable RSR criteria. Boring logs indicate that asphalt chunks were observed below 2 fbg. These chunks may indicate the use of fill material in this area. SB-309 through SB-311 were advanced in the vicinity of the former garage. ETPH was detected in each of the samples collected from these locations. The concentrations of ETPH exceed applicable RSR criteria in SB-309 and are just below applicable RSR criteria in SB-310. The concentrations of ETPH in samples collected from SB-311 are not. Several PAHs were detected at these locations as well. The concentrations of PAHs detected at SB-309 and SB-310 exceed applicable RSR criteria.	Elevated levels of PAHs detected in samples collected from SB-304 and SB-305 are most likely due to the use of fill material in this area rather than a release of hazardous materials. No remediation is required for this area. It is likely that some type of remediation will be needed to address the exceedance of arsenic at SB-303. It is also likely that some type of remediation will be needed to address the exceedances of ETPH and PAHs at SB-309 and SB-310
AOC-17 Loading Docks	The loading docks at the Site were used to receive goods and materials, including small quantities of chemicals, delivered to the Administration Building and the Durant Building. Loading docks are considered AOCs because they are likely areas for the handling of raw materials, chemical products, and wastes. Any product used within the facility is a constituent of concern at a loading dock. The loading docks did not appear to be stained.	Releases of hazardous substances or petroleum products could initially impact and penetrate the concrete docks or adjacent asphalt pavement and/or migrate toward cracks in the concrete or pavement or toward areas surrounding the pavement. These substances could then migrate to the underlying soil and possibly to groundwater.	VOCs, PAHs, ETPH, metals	Soil Borings SB-317, SB-318, SB-324, SB-325, SB-339	SB-317 and SB-318 were advanced around the loading docks associated with the Administration building boiler room. Elevated levels of ETPH along with several PAHs were detected in 0-2 fbg and 2-4 fbg samples collected from SB-317. Several metals were also detected in these samples, at concentrations consistent with background levels. Metals were also detected at low concentrations in the 0-2 fbg and 2-4 fbg samples collected from SB-318. ETPH and PAHs were not detected in samples collected from SB-318. Elevated levels of constituents in SB-317 may be the result of being located on the fringe of the AOC-13 petroleum release, but we are unsure. SB-324, SB-325 and SB-339 were all advanced around the loading docks attached to the Durant building. Samples were collected 0-2 fbg and 2-4 fbg at SB-324 and SB-325, and 0-2 fbg, 2-4 fbg, 4-6 fbg and 6-8 fbg at SB-339. ETPH was detected in all samples collected from these locations at very low levels. PAHs were not detected in any of the samples collected from these locations	Although there is evidence of a minor ETPH release, concentrations detected at all five locations in this AOC are below applicable RDEC. No remediation is warranted for this area.

Notes

1: Metals identified as constituents of concern are: arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver and zinc.

2: Comparing data to the RSR criteria is only appropriate when a release has been fully characterized.

Abbreviations

AOC: Area of Concern

AST: Aboveground Storage Tank

CSM: Conceptual Site Model

ETPH: Extractable Total Petroleum Hydrocarbons

PCBs: Polychlorinated Biphenyls

RSRs: Remediation Standard Regulations

SB: Soil Boring

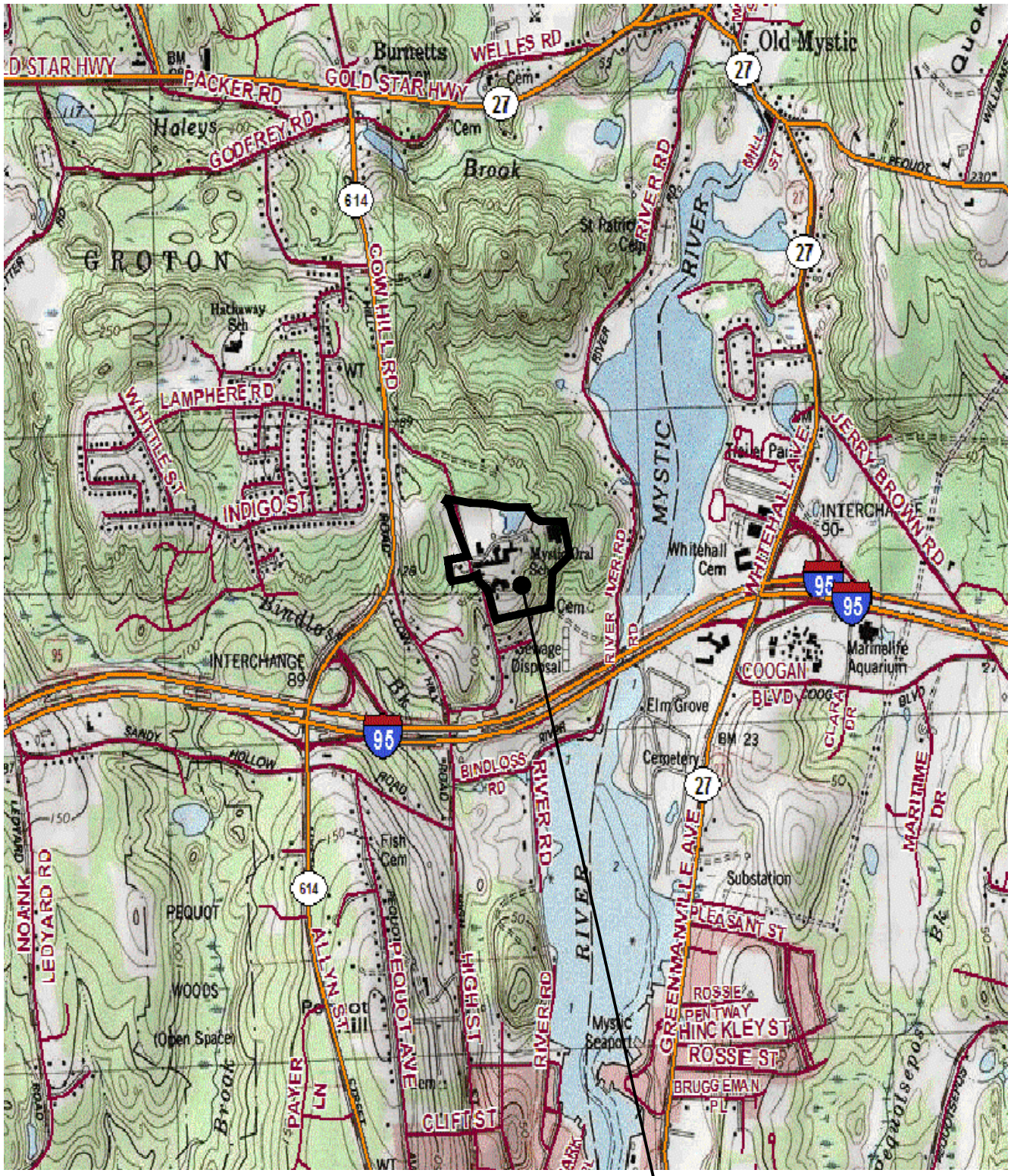
SVOCs: Semivolatile Organic Compounds

SWPC: Surface Water Protection Criteria

UST: Underground Storage Tank

VOCs: Volatile Organic Compounds

RDEC: Residential Direct Exposure Critera



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APPROXIMATE SCALE IN FEET

MAP REFERENCE:

SECTION OF THE USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP FOR OLD MYSTIC & MYSTIC, CT, DATED 1983, 1984 & PHOTOREVISED 1989 & 1996. MAP CREATED WITH TOPO! © 2008 NATIONAL GEOGRAPHIC & © 2007 TELE ATLAS, NORTH AMERICA, INC., RELEASE 01/2007.

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Phase III Subsurface Investigation Report
Former Mystic Oral School For The Deaf

SITE LOCATION MAP

Comm.No.		
18HM3.01	FIGURE 2-1	Loureiro Engineering • Construction • EH&S • Energy • Waste

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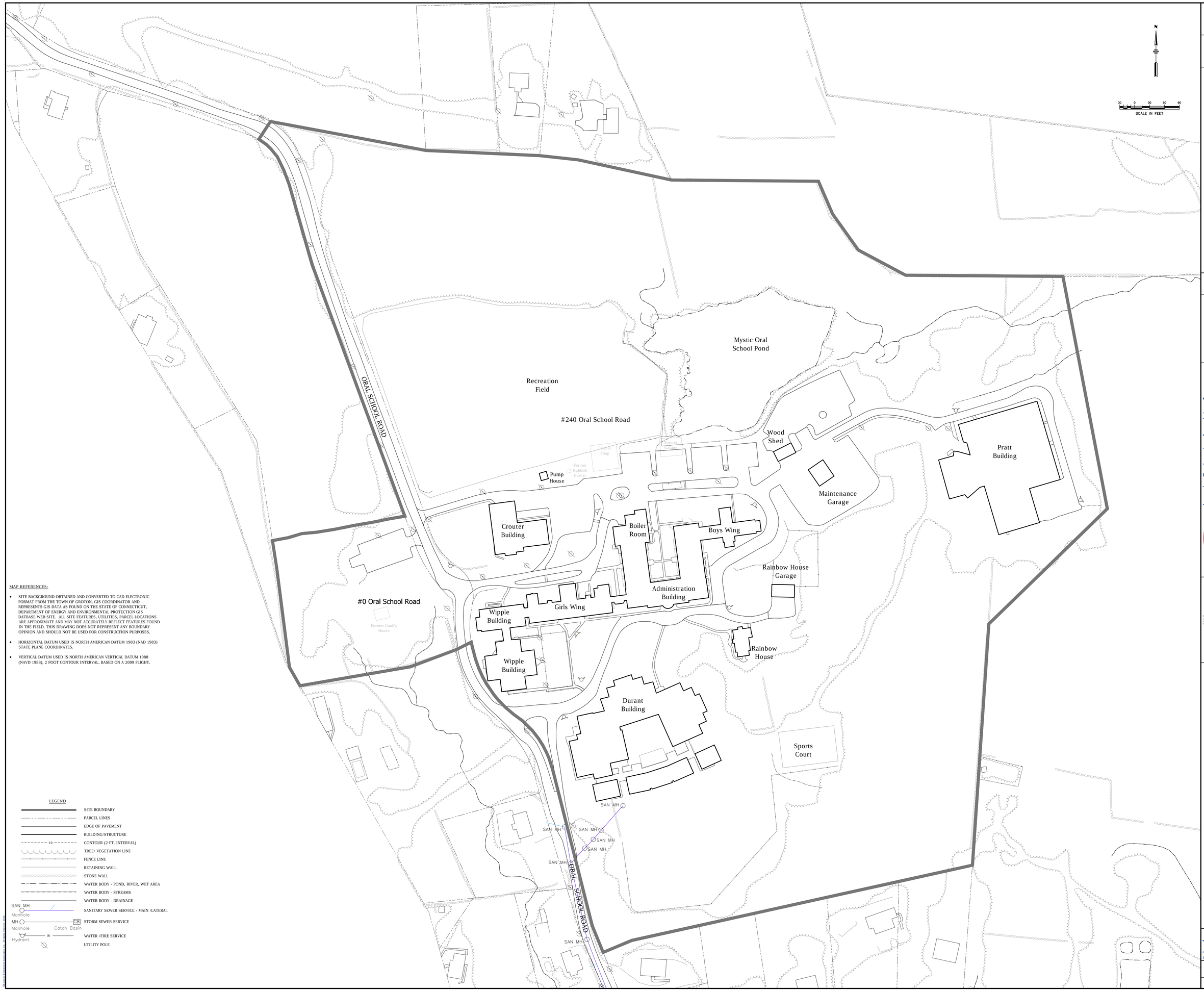
\\STORAGE01\PROJECTS\AUTOCAD\PROJECTS\18HM301-MYSTIC\PHASE III ESA\F01-18HM301-PHASE III SSI.DWG Tab: USGS F2-1 Saved: 11/21/2013 10:32 AM Plotted: 11/21/2013 10:32 AM



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LEGEND

- SITE BOUNDARY
- PARCEL LINES
- EDGE OF PAVEMENT
- BUILDING/STRUCTURE
- CONTOUR (2 FT. INTERVAL)
- TREE/ VEGETATION LINE
- FENCE LINE
- RETAINING WALL
- STONE WALL
- WATER BODY - POND, RIVER, WET AREA
- WATER BODY - STREAMS
- WATER BODY - DRAINAGE
- SANITARY SEWER SERVICE - MAIN /LATERAL (SAN MH Manhole)
- STORM SEWER SERVICE (MH Manhole, CB Catch Basin)
- WATER /FIRE SERVICE (W Hydrant)
- UTILITY POLE

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18HM301		
DRAWN BY		
G.F.B./P.J.A.		
APPROVED BY		
D.W.H.		

PHASE III ENVIRONMENTAL SITE ASSESSMENT REPORT
FORMER MYSTIC ORAL SCHOOL FOR THE DEAF

SITE PLAN

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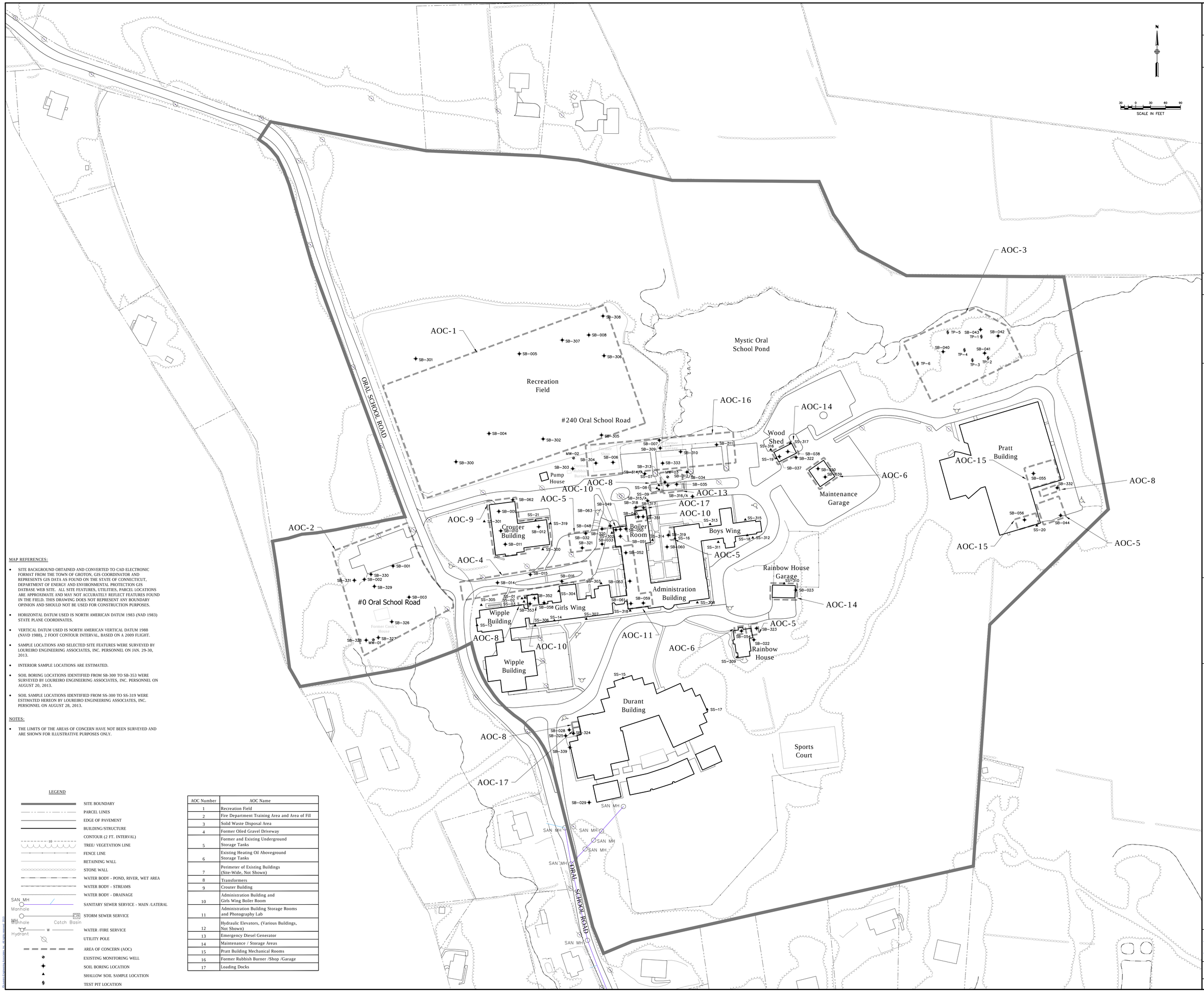
DRAWING
2-1

SHEET NO.	NO. OF SHEETS
1	1

G:\AUTOCAD\PROJECTS\18HM301\ACTIVE\PHASE III\FIGS\18HM301 FIG2-1.DWG Mar 03, 14 at 11:15 AM Printed 5/12/2014 11:15 AM



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- INTERIOR SAMPLE LOCATIONS ARE ESTIMATED.
- SOIL BORING LOCATIONS IDENTIFIED FROM SB-300 TO SB-353 WERE SURVEYED BY LOUREIRO ENGINEERING ASSOCIATES, INC. PERSONNEL ON AUGUST 20, 2013.
- SOIL SAMPLE LOCATIONS IDENTIFIED FROM SS-300 TO SS-319 WERE ESTIMATED HEREON BY LOUREIRO ENGINEERING ASSOCIATES, INC. PERSONNEL ON AUGUST 28, 2013.

NOTES:

- THE LIMITS OF THE AREAS OF CONCERN HAVE NOT BEEN SURVEYED AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

LEGEND

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- WATER BODY - STREAMS
- WATER BODY - DRAINAGE
- SANITARY SEWER SERVICE - MAIN /LATERAL
- STORM SEWER SERVICE
- WATER /FIRE SERVICE
- UTILITY POLE
- AREA OF CONCERN (AOC)
- EXISTING MONITORING WELL
- SOIL BORING LOCATION
- SHALLOW SOIL SAMPLE LOCATION
- TEST PIT LOCATION

AOC Number	AOC Name
1	Recreation Field
2	Fire Department Training Area and Area of Fill
3	Solid Waste Disposal Area
4	Former Oiled Gravel Driveway
5	Former and Existing Underground Storage Tanks
6	Existing Heating Oil Aboveground Storage Tanks
7	Perimeter of Existing Buildings (Site-Wide, Not Shown)
8	Transformers
9	Crouter Building
10	Administration Building and Girls Wing Boiler Room
11	Administration Building Storage Rooms and Photography Lab
12	Hydraulic Elevators, (Various Buildings, Not Shown)
13	Emergency Diesel Generator
14	Maintenance / Storage Areas
15	Pratt Building Mechanical Rooms
16	Former Rubbish Burner /Shop /Garage
17	Loading Docks

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18HM301	D.W.H.	05/12/2014

PHASE III ENVIRONMENTAL SITE ASSESSMENT REPORT
FORMER MYSTIC ORAL SCHOOL FOR THE DEAF

SOIL SAMPLING LOCATIONS

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DRAWING
4-1

SHEET NO. 1 NO. OF SHEETS 1

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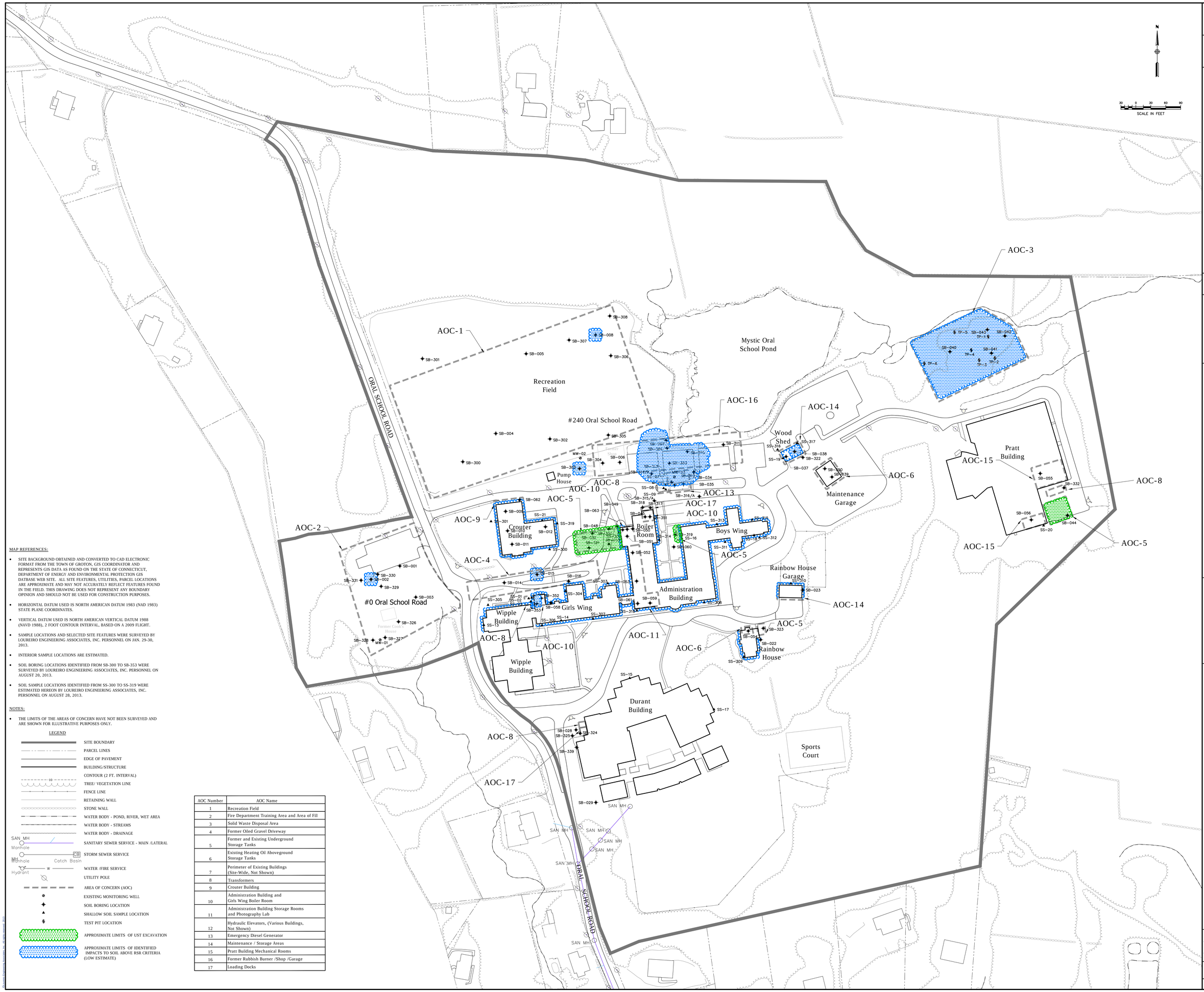

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- STORM SEWER SERVICE
- WATER /FIRE SERVICE
- UTILITY POLE
- AREA OF CONCERN (AOC)
- EXISTING MONITORING WELL
- SOIL BORING LOCATION
- SHALLOW SOIL SAMPLE LOCATION
- TEST PIT LOCATION
- APPROXIMATE LIMITS OF UST EXCAVATION
- APPROXIMATE LIMITS OF IDENTIFIED IMPACTS TO SOIL ABOVE RSR CRITERIA (LOW ESTIMATE)

AOC Number	AOC Name
1	Recreation Field
2	Fire Department Training Area and Area of Fill
3	Solid Waste Disposal Area
4	Former Oiled Gravel Driveway
5	Former and Existing Underground Storage Tanks
6	Existing Heating Oil Aboveground Storage Tanks
7	Perimeter of Existing Buildings (Site-Wide, Not Shown)
8	Transformers
9	Crouter Building
10	Administration Building and Girls Wing Boiler Room
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16	Former Rubbish Burner /Shop /Garage
17	Loading Docks

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PHASE III ENVIRONMENTAL SITE ASSESSMENT REPORT FORMER MYSTIC ORAL SCHOOL FOR THE DEAF

AREAS REQUIRING REMEDIATION

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DRAWING
8-1

SHEET NO.	NO. OF SHEETS
1	1

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APPENDIX A

Standard Operating Procedures

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Hand Auger Borings

SOP ID: 10003
Date Initiated: 02/20/90
Revision No. 007: 05/15/02

Approved By: ***/s/ David E. Lehnus*** ***05/21/02***
David E. Lehnus **Date**
Senior Geologist

/s/ Nick D. Skoularikis ***05/15/02***
Nick D. Skoularikis **Date**
Director of Quality

REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	02/20/90	
001-005	-	No record.
006	12/31/01	Updated to reflect new SOP format. Minor revisions throughout.
007	05/15/02	Revised sections 4.5.3 (plastic sheeting) and 4.9.2 (boring abandonment with bentonite clay-grout).

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Hand Auger Borings

1. Purpose and Scope

This section discusses procedures for conducting hand auger soil borings either for exploration or for the installation of monitoring wells. The procedures provided in this text outline the advancement, decontamination, abandonment, and required documentation for the completion of hand auger borings. This document was prepared in accordance with ASTM D 1452 - 80. Soil sampling for chemical analysis is covered under the *Loureiro Engineering Associates, Inc. (LEA) Standard Operating Procedure (SOP) for Soil Sampling.*

2. Definitions

Hand auger: a stainless steel bucket attached to a handle with flights on the tip used to dig auger manually into the soil. A hand auger is used for shallow soil borings for which a drill rig would be impractical or time consuming. A hand auger may also be preferable at locations where utilities are suspected to be present.

3. Equipment

3.1. Equipment required for conducting hand auger boring includes:

- Hand auger (bucket or dutch).
- Auger extensions, wrenches, and handle.
- Hand towels.
- Portable VOC analyzer (Photovac MicroTIP® or equivalent).
- Polyethylene plastic sheeting.
- Distilled water.
- Field documentation.
- Indelible marker.
- Alconox® detergent, methanol, hexane, nitric acid.
- Three 5-gallon buckets.
- Analytical balance (accurate to 0.1 gram).
- 500 ml disposable beakers.
- Decontamination brushes.

- Personal protective equipment.
- Clipboard.
- Pry bar.

4. Procedure

4.1. Utilities

4.1.1. Notify the appropriate "one call" utility notification service (e.g. Call Before You Dig at 1-800-922-4455, Contractor ID: 10502) at least three working days prior to commencing operations on a site. The locations of all proposed borings must be clearly marked in the field prior to notification. The Project Engineer/Manager **must** call and confirm that each utility has been to the site and has marked their respective lines.

4.1.2. On private sites, consult with the Owner or other person knowledgeable about the site as to the locations of potential private or abandoned utilities and locate these prior to beginning work. Upon the discretion of the Project Engineer/Manager, a pipe locator can also be used to assist in locating utilities.

4.1.3. Note that OSHA may have additional requirements for location of utilities.

4.1.4. All efforts to locate underground utilities (including names of owner or designee and time) should be properly documented in the field logbook prior to onset of the work scheduled.

4.2. OSHA

4.2.1. The Senior LEA representative shall be the Competent Person required by OSHA for all work. However, this does not relieve other LEA representatives from bringing to his or her attention conditions, which may be unsafe or present a hazard to the drilling crew, the general public, or other workers on the site.

4.3. Water

4.3.1. Water is occasionally required to maintain the stability of the boring. If water is used, the source(s), quality, and volume(s) will be recorded on the boring log.

4.3.2. No other drilling fluid may be used without specific authorization from the Project Manager.

4.4. VOC Monitoring

4.4.1. A portable volatile organic compound (VOC) analyzer equipped with a photoionization detector (PID) or flame ionization detector (FID) shall be available on site and shall be used to screen all cuttings and fluids (if any) removed from the hole.

4.4.2. Since, in general, it cannot be presumed that a site is clean, all cuttings and/or fluids that show a reading on the VOC analyzer above background shall be containerized or drummed, as appropriate, on the site. The cuttings and fluids should also be containerized when the presence of other contaminants is suspected. Section 4.8 provides additional information on management of potentially contaminated fluids and materials.

All project-specific health and safety requirements shall be addressed in the Site-Specific Health and Safety Plan for the site.

4.5. Site Preparation

4.5.1. A sufficient area shall be cordoned off to restrict access to the work area. This area shall be termed an "Exclusion Zone".

4.5.2. An equipment decontamination area shall be assembled within the exclusion zone.

4.5.3. The area adjacent to the proposed borehole shall be covered with 5-mil plastic sheeting (minimum area: 10 square feet). Soil cuttings shall be placed on the plastic sheeting to avoid contact with the surface of the ground.

4.5.4. All necessary personal protective equipment shall be donned.

4.5.5. Should flooring need to be breached for the advancement of the boring, coring of the floor will be conducted using a concrete coring saw and a wet-dry vacuum to prevent water and cuttings from moving beyond the immediate vicinity of the borehole.

4.5.6. Begin the boring by rotating and advancing the auger to the desired depth. Remove the auger and examine the soil for texture, composition, density, moisture and grain-size distribution. Record all information as described in Section 4.7.

4.5.7. The soils removed shall be logged in two-foot increments or at each lithologic change.

4.5.8. Collect a sufficient aliquot of the soil sample to satisfy all requirements for field and laboratory analysis. A lithologic sample may be required and should be collected in a 4-ounce soil jar. The procedures for collection of soil samples for chemical analysis are described in *LEA SOP for Soil Sampling*. Discard boring spoils into the appropriate containers or onto the plastic sheeting for later disposal.

4.5.9. The portable organic vapor analyzer used to detect VOCs shall be a Photovac MicroTIP® photoionization detector or equivalent and calibrated in accordance with the instrument's instructions. Calibration shall be performed, at a minimum, prior to each sampling event and checked after each day of sampling.

4.5.10. The following procedure shall be used to obtain readings of the VOCs present in a soil sample:

1) Obtain an aliquot of soil (approximately 50 grams) from the bottom of the auger and place it into a Ziploc® plastic bag or equivalent and seal.

2) Agitate the sample, assuring that all soil aggregates are broken, for two minutes.

3) Carefully break the seal of the bag enough to insert the VOC probe. Care should be taken not to absorb any soil particles or liquids.

4) Record the maximum reading obtained on the appropriate forms.

4.6. Decontamination

4.6.1. All down-hole and sampling equipment will be sufficiently decontaminated prior to use. Decontamination procedures presented in site-specific work plans may vary slightly from those presented below, dependent upon the particular types of contaminants encountered.

4.6.2. A section of 5-mil plastic sheeting shall be cut of sufficient size to underlie the decontamination area to contain any discharge of decontamination solutions.

4.6.3. The following solutions (as appropriate for the anticipated contaminants) shall be prepared and placed in 500-ml laboratory squirt bottles: methanol solution (less than 10% solution); 10% nitric acid

solution; 100% hexane solution; and distilled deionized (DI) water. A fifth solution of phosphate-free detergent and tap water (approximately 2.5 gallons) shall be prepared in a five-gallon bucket.

4.6.4. All loose debris shall be removed from the augers and spatulas into an empty 5-gallon bucket or plastic sheeting, using a stiff bristled brush.

4.6.5. The order of decontamination solutions is as follows:

1) Detergent Scrub.
2) DI Water Rinse.
3) Hexane Rinse (to be used only if separate-phase petroleum product, other than gasoline, is present).
4) DI Water Rinse.
5) 10% Nitric Acid Rinse (to be used only when metals are suspected as potential contaminants).
6) DI Water Rinse.
7) Methanol Rinse (<10% solution).
8) Air Dry.

Prior to installing each boring and at the end of the project day, all used equipment shall be decontaminated. Containerize and dispose of all spent decontamination solutions in accordance with all applicable municipal, state and federal regulations.

4.7. Field Documentation

4.7.1. The following general information shall be recorded in the field log book and/or the appropriate field form(s).

- Project and site identification.
- LEA commission number.
- Field personnel.
- Name of recorder.
- Identification of borings.
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and quality assurance/quality control (QA/QC) sample identification.
- Field analysis method(s).
- Field observations of sampling event.
- Name of collector.

- Climatic conditions, including air temperature.
- Chronological events of the day.
- Status of total production.
- Record of non-productive time.
- QA/QC data.
- Location of boring(s) on site in sufficient detail to relocate boring at a future time (include sketch).

4.7.2. The following information shall be recorded on the boring log:

- Project name, location, and LEA commission number.
- Borehole number, borehole diameter, boring location, drilling method, field crew performing work, groundwater observations, logger's name and date.
- Depth below grade, sample I.D. number, duplicate numbers, VOC analyzer reading.
- A complete sample description, including as a minimum: depth, material size gradation using the Burmister system, color, moisture, and density.
- Should a well be constructed in a bore hole, a complete well schematic shall be drawn and accurately labeled.

4.8. Disposal of Potentially Contaminated Materials

4.8.1. Potentially contaminated cuttings or fluids, as indicated by knowledge of the site, discoloration, VOC analyzer readings, or other evidence, shall be containerized on the site pending sampling and determination of hazardous waste status.

4.9. Boring Abandonment

4.9.1. If the boring is not to be used for other purposes (i.e. monitoring well, soil vapor probe, soil vapor extraction well, etc.), it shall be abandoned.

4.9.2. The boring shall be filled and sealed with a high-density bentonite clay grout.

4.9.3. Excess cuttings shall be containerized and sampled before disposal.

4.9.4. In paved areas, the upper three feet of the borehole shall be filled, up to two inches below the existing grade, with sand to allow for repairing of the pavement.

4.9.5. Pavement shall be repaired using cold patch asphalt filler or concrete.

5. Quality Assurance/Quality Control

5.1. All procedures documented in this SOP should be conducted to ensure quality and in accordance with LEA's *Standard Operating Procedure for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005)

6. References

None

END OF DOCUMENT

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Soil Sampling

SOP ID: 10006
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Approved By: _____ *01/18/06*
David Brisson **Date**
Senior Project Geologist

_____ *01/18/06*
Nick D. Skoularikis **Date**
Director of Quality

REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	02/20/90	
001-004	-	No record.
005	07/19/00	Revisions to template, including new logo.
006	05/16/01	Revisions to Sections 4.2.1, 4.2.2; add Section 4.2.3.
007	07/27/01	Updated to conform with new SOP format.
008	12/31/01	Minor revisions throughout.
009	01/18/06	Removed use of wood spatula

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Soil Sampling

1. Purpose and Scope

This document discusses procedures for collection of soil samples for analysis. Methods for collection and quality assurance/quality control (QA/QC) requirements are covered under separate standard operating procedures (SOPs). The procedures outlined in this document are in accordance with American Society of Testing Materials (ASTM) Standard D 420 and the Environmental Protection Agency (EPA) document entitled, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (SW-846). These procedures may vary slightly according to project-specific requirements.

2. Definitions

2.1. Field Forms: For the purpose of document and data control, a form is a document used in the conduct of company business to collect data, including approvals where required. Completed forms providing objective evidence of quality related activities are retained as quality records.

3. Equipment

3.1. Equipment required for the collection of soil samples shall include:

- Stainless steel spatula.
- Decontamination solutions, including distilled water, 10 percent methanol, 10 percent nitric acid.
- Hand towels.
- Polyethylene plastic sheeting.
- Sample collection jars.
- Clean disposable gloves.
- Field documentation.
- Indelible ink marker.
- Cooler, cold packs.
- Chain of custody seals and sample labels.
- Balance for weighing samples (for samples collected for the Loureiro Engineering Associates, Inc. (LEA) Analytical Laboratory, if needed).
- Utility knife.

- Re-sealable plastic bags.

4. Procedures

4.1. Preliminary Sampling Procedures

4.1.1. Sample Bottles

4.1.1.1. A laboratory request form shall be completed and submitted to the laboratory with the following information:

- Project name.
- LEA commission number.
- Date of submittal and date needed.
- Quantity of sample locations and sample points at each location.
- Type(s) of samples.
- Analytes, detection limits and QA/QC needed.
- Cooler(s) required.
- Number of chain of custody forms requested.

4.1.1.2. Check bottles against laboratory request form for completeness. The bottles should also be checked for damage and cleanliness. Confirm with laboratory personnel the adequacy of the preservatives used.

4.1.1.3. The total number of sample sets shall be increased by 10 percent to allow for possible breakage during transport to sites or other contingencies. At a minimum one additional sample bottle set shall be obtained per event.

4.1.1.4. Obtain preprinted labels and paperwork through the LEA information management system.

4.1.1.5. Label/date bottles in the field prior to sample collection. Check for accuracy.

4.1.1.6. A cooler with adequate ice or cold packs should be obtained from the laboratory to insure that the collected samples remain at 4 degrees Celsius during transport. Packing material should also be obtained to insure against breakage during transport.

4.1.2. Site Preparation

4.1.2.1. A level table shall be placed within the exclusion zone and covered with polyethylene sheeting.

4.1.2.2. Decontaminated spatulas shall be placed on the table. Sample bottles shall be placed in a convenient location and in order of sample collection.

4.1.2.3. PID and plastic bags shall be placed on the table for VOC screening, if necessary.

4.2. Cleaning and Decontamination

4.2.1. Prior to collecting a soil sample, the LEA representative will ensure that all necessary sampling equipment is clean and decontaminated according to the procedure outlined in Section 4.2.3 or according to the site specific work plan if different than below.

4.2.2. Upon completion of all sampling requirements and prior to leaving the site, all equipment used for sampling shall be cleaned and decontaminated according to the procedure outlined in Section 4.2.3 or according to the site specific work plan if different than below. All generated decontamination fluids shall be containerized and disposed of in accordance with the site-specific work plan and all municipal, state, and federal requirements.

4.2.3. The decontamination procedure of durable sampling equipment will be accomplished via swabbing the surfaces with a solvent. The order of decontamination is as follows:

- Detergent swab.
- DI water rinse.
- Hexane rinse (to be used if separate-phase petroleum product, other than gasoline is present).
- DI water rinse.
- 10 percent nitric acid rinse (to be used only when metals are suspected as potential contaminants).
- DI water rinse.
- Methanol rinse (less than 10 percent solution).
- Air dry.

4.3. Sampling Procedures

4.3.1. All personal protective equipment (PPE) should be donned and maintained in accordance with the site-specific work plan or health and safety plan during all sampling procedures. In the event that no PPE has been specified for a particular sampling event, disposable latex gloves should be donned, as a minimum, during all sampling procedures.

4.3.2. The particular soil sampling device (i.e., hand auger, split spoon, etc.) shall be retrieved from the point of collection and placed on a level table covered in polyethylene sheeting.

4.3.3. Using a decontaminated stainless steel spatula, the soil shall be transferred directly into soil sampling containers. Care should be taken to completely fill the sample container intended for VOC analysis. Large void spaces within the container shall be minimized by packing, not agitation.

4.3.4. Wipe the rim of the sample container with a clean paper towel to remove excess solids, which would prevent adequate sealing of the sample container and seal the container.

The order of sample collection shall be as follows:

- Samples to be analyzed for volatile organic compounds (VOCs) at the LEA Analytical Laboratory.
- Samples to be analyzed for VOCs using appropriate EPA methodologies.
- Samples to be screened for total VOCs with a total volatile organic analyzer.
- Samples to be analyzed for other organic and inorganic constituents.

4.3.5. As required, affix a custody seal, noting the date and time of collection across the cap/bottle interface and on the sample label. Place and secure sample within cooler and complete all sample collection documentation. Alternatively, a custody seal shall be used to seal the entire cooler rather than individual sample containers.

4.4. Post Sampling Procedures

4.4.1. As required, upon completion of all sampling procedures for a particular site, secure the lid of the cooler using packaging tape with the chain of custody inside.

4.4.2. If the laboratory is local, transport the samples directly to the laboratory and present them to the sample manager. The representative of LEA should witness the verification of the chain of custody and obtain a carbon copy for filing in the project notebook.

4.4.3. If the laboratory is distant, arrange for transport with a reputable carrier service. Typically, the laboratory specifies the carrier to be used and provides the shipping papers. The cooler and samples shall be secured for transport, and all mailing documentation secured onto the top of the cooler. Unless otherwise specified, delivery shall be overnight. Friday shipments should be mailed for Saturday delivery, once confirmed that the laboratory can accept them on Saturday. The laboratory shall provide confirmation of acceptance noting the temperature of the temperature blank and any deviations from the chain of custody.

4.5. Documentation

4.5.1. The following general information shall be recorded in the field log book and/or on the appropriate field forms:

- Project and site identification.
- LEA commission number.
- Field personnel.
- Name of recorder.
- Identification of borings.
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and QA/QC sample identification.
- Preservative(s) used.
- Parameters requested for analysis.
- Field analysis method(s).
- Field observations on sampling event.
- Name of collector.
- Climatic conditions, including air temperature.
- Internal temperature of field and shipping (cooled) containers.

- Chronological events of the day.
- Status of total production.
- Record of non productive time.
- QA/QC data.

4.5.2. The following information shall be recorded on the Daily Field Report QA Checklist:

- Reviewer's name, date, and LEA commission number.
- Review of all necessary site activities and field forms.
- Statement of corrective actions for deficiencies.

4.5.3. The following information shall be recorded on the chain of custody record:

- Client's name and location.
- Date and time of sample collection.
- Sample number.
- Container type, number, size.
- Preservative used.
- Signature of collector.
- Signatures of persons involved in the chain of possession.
- Analyses to be performed.
- Type and number of samples.

4.5.4. The following information shall be provided on the sample label using an indelible ink pen:

- Sample identification number.
- Date and time of collection.
- Place of collection.
- Parameter(s) requested (if space permits).

4.5.5. The following information shall be recorded on the sample collection data sheet:

- Client name, location and LEA commission number.
- Boring or sampling location identification number.
- Date and time of collection.
- Sample number.
- Depth sample was obtained.
- Field instrumentation reading.

5. Quality Assurance/Quality Control

5.1. One trip blank sample should accompany the sampling set for each field crew and each field day for which VOC samples are collected.

5.2. One equipment blank sample should be collected for each field crew and each field day. Equipment blank samples should be analyzed for the same suite of analytes as the soil samples.

5.3. For QA/QC purposes, one duplicate sample will be collected for every twenty samples. The duplicate sample set will be analyzed for the same suite of analytes as the soil samples.

6. References

6.1. ASTM Standard D 420

6.2. EPA, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846).

END OF DOCUMENT

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Geoprobe® Probing and Sampling

SOP ID: 10011
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Approved By: _____ 8/23/10

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_____ 8/23/10

Nick D. Skoularikis **Date**
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REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	11/10/94	
001-002	-	No record.
003	06/17/97	No record.
004	07/19/00	Revisions to template, including new logo. Revisions to Sections 3, 4, 5 and 6 in order to generalize sampling procedures and reference Geoprobe® Systems' catalog and specific soil sampling standard operating procedures.
005	12/31/01	Revisions made to reflect new SOP format. Addition of QA/QC section, minor changes throughout.
006	02/11/08	Added Appendix A: Macro-Core Soil Sampling; Revisions to Section 4.13.
007	08/23/10	Added supplemental information regarding grout mixture preparation in the section on "Boring Abandonment."

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Geoprobe® Probing and Sampling

1. Purpose and Scope

The objective of this standard operating procedure (SOP) is to collect discrete soil samples at depth using Geoprobe® probing and sampling methodologies and to recover the samples for visual inspection and/or analysis. Procedures for soil sampling for analysis are included in *Loureiro Engineering Associates (LEA) SOP for Soil Sampling*, SOP ID 10006.

2. Definitions

2.1. **Geoprobe®***: A vehicle-mounted, hydraulically-powered, soil probing machine that utilizes static force and percussion to advance small diameter sampling tools into the subsurface for collecting soil core, soil gas, or groundwater samples.

*Geoprobe® is a registered trademark of Kejr Engineering, Inc., Salina, Kansas.

2.2. **Sampler**: A piston type soil sampler capable of recovering a discrete sample in the form of a core contained inside a removable liner.

2.3. **Liner**: A removable/replaceable, thin-walled tube inserted inside the sampler body for the purpose of containing and storing soil samples. Liner materials include brass, stainless steel, Teflon®, and clear plastic (either PETG or cellulose acetate butyrate).

3. Equipment

The equipment required to recover soil core samples using the Geoprobe® samplers and driving system can be found in the Geoprobe® Systems catalog for tools and equipment, as referenced in Section 6. Sample liners for the Geoprobe® samplers are available in four different materials. Liner materials should be selected based on sampling purpose, analytical parameters, and data quality objectives. A listing of the general parts and equipment from the Geoprobe® Systems catalog for tools and equipment is provided below:

Geoprobe® Tools	Part Number
Probe Rod (4 Foot)	AT104B
Probe Rod (3 Foot)	AT10B
Probe Rod (2 Foot)	AT105B
Probe Rod (1 Foot)	AT106B
Drive Cap	AT11B
Pull Cap	AT12B
Extension Rod	AT67
Extension Rod Coupler	AT68
Extension Rod Handle	AT69
MC Drive Head	AT8510
MC Cutting Shoes	AT8530,8535,8537
MC Piston Tip Assembly	AT8570
MC Spacer Ring or Core Catcher	AT8531K,8532K
MC Sample Tube	AT8522
MC PETG Liner	AT825K
MC Combination Wrench	AT8590
MC Release Rod	AT8580
MC Extension Rod	AT671
Extension Rod Coupler	AT68
Ext. Rod Quick Links	AT694K
Ext. Rod Handle	AT69
MC Vinyl End Caps	AT726K
Liner Cutter Kit	AT8000K
Nylon Brush for Macro Tubes	BU700

4. Procedure

4.1. Utilities Clearance

4.1.1. Notify the appropriate "one call" utility notification service (e.g., in Connecticut, Call Before You Dig at 1-800-922-4455) at least three working days prior to commencing operations on a site. The locations of all proposed borings must be clearly marked in the field prior to notification. The Project Engineer/Manager **must** call and confirm that each utility has been to the site and has marked their respective lines.

4.1.2. On private sites, consult with the owner or other person knowledgeable about the site as to the locations of potential private or abandoned

utilities and locate these prior to beginning work. Upon the discretion of the Project Engineer/Manager, a pipe locator can also be used to assist in locating utilities.

4.1.3. Note that the Occupational Safety and Health Administration (OSHA) may have additional requirements for location of utilities.

4.1.4. All efforts to locate underground utilities (including names of owner or designee and time) should be properly documented in the field logbook or field paperwork prior to onset of the work scheduled.

4.2. Health and Safety

The foreman or supervisor of the drilling crew shall be the competent person as required by OSHA for all of their work. However, this does not relieve any other LEA representative from bringing to his or her attention conditions which may be unsafe or present a hazard to the drilling crew, the general public, or other workers on the site. The LEA representative is responsible for ensuring that LEA activities are conducted in accordance with the site-specific Health and Safety Plan.

Note specific health and safety guidance regarding the operation of the Macro-Core soil sampler provided in Appendix A.

4.3. Site Preparation

4.3.1. A sufficient area shall be cordoned off to restrict access to the work area. This area shall be termed an "Exclusion Zone".

4.3.2. An equipment decontamination area shall be assembled as described in Section 4.14 within the exclusion zone.

4.3.3. All personal protective equipment as required in the site-specific health and safety plan shall be donned.

4.4. General Sampler Assembly

4.4.1. The sampler is connected to the leading end of a Geoprobe® probe rod and driven into the subsurface using a Geoprobe® drilling apparatus. Additional probe rods are connected in succession to advance the sampler to depth. The sampler remains sealed (closed) by a piston tip as it is being driven. The piston is held in place by a reverse threaded stop pin at the trailing end of the sampler. The first four-foot interval does not require the piston tip assembly. In addition, if the borehole

remains open, the piston tip assembly may not be required for deeper intervals. If there is evidence that the borehole is collapsing, the piston tip will be utilized.

4.4.2. When the sampler tip has reached the top of the desired sampling interval, a series of extension rods, sufficient to reach depth, are coupled together and lowered down the inside diameter of the probe rods. The extension rods are then rotated clockwise (using a handle). The male threads on the leading end of the extension rods engage the female threads on the top end of the stop pin, and the pin is removed.

4.4.3. After the extension rods and stop pin have been removed, the tool string is advanced an additional 24 to 48 inches (depending on the soil sampling system in use). The piston is displaced inside the sampler body by the soil as the sample is cut. To recover the sample, the sampler is recovered from the hole and the liner containing the soil sample is removed.

4.4.4. Refer to the Geoprobe® System standard operating procedures for operation of various soil sampling systems (e.g., Macro Core Piston Rod Soil Sampling System, DT21 Dual Tube Soil Sampling System, Large Bore Soil Sampling System).

4.5. Pilot Hole

A pilot hole is appropriate when the surface to be penetrated contains gravel, asphalt, hard sand, or rubble. Preprobing can prevent unnecessary wear on the sampling tools. A specific Geoprobe® preprobe may be used for this purpose. The pilot hole should be made only to a depth above the sampling interval. Where surface pavements are present, a hole may be drilled with the Geoprobe® using a specific drill steel bit (AT-32, -33, -34, or -35, depending upon the thickness of the pavement), tipped with a 1.5 inch diameter carbide drill bit (AT-36) prior to probing. For pavements in excess of 6 inches, the use of compressed air to remove cuttings is recommended.

4.6. Concrete Coring

Should the borehole be located on concrete, the Geoprobe® can be used to core through the concrete to gain access to the underlying soil. A carbide-tipped drill bit (AT36-39) and Geoprobe® drill steel (AT3524, 3536, 3548) will be attached to the drill assembly and utilized to core the concrete. For concrete in excess of 16 inches, other methods (i.e., a core saw) should be utilized to penetrate the concrete.

4.7. Driving

4.7.1. Attach a probe rod to the assembled sampler and a drive cap to the probe rod. Position the assembly for driving into the subsurface. Make sure the assembled sampler is relatively perpendicular to the ground surface. A level can be utilized if drilling on uneven ground.

4.7.2. Drive the assembly into the subsurface until the drive head of the sample tube is just above the ground surface.

4.7.3. Remove the drive cap and the probe rod. Secure the drive head with a 1-inch or adjustable wrench and retighten the stop pin with a 3/8-inch wrench.

4.7.4. Attach a 2-foot probe rod and a drive cap, and continue to drive the sampler into the ground. Attach 3-foot probe rods in succession until the leading end of the sampler reaches the top of the desired sampling interval.

4.8. Preparing to Sample

Specific instructions and photographic documentation for sampling with the Macro-Core soil sampler are provided in Appendix A.

4.8.1. When the sampling depth has been reached, position the Geoprobe® machine away from the top of the probe rod to allow room to work.

4.8.2. Insert an extension rod down the inside diameter of the probe rods. Hold onto it and place an extension rod coupler on the top threads of the extension rod (the down hole end of the leading extension rod should remain uncovered). Attach another extension rod to the coupler and lower the jointed rods down-hole.

4.8.3. Couple additional extension rods together in the same fashion as in Step 2. Use the same number of extension rods as there are probe rods in the ground. The leading extension rod must reach the stop-pin at the top of the sampler assembly. When coupling extension rods together, you may opt to use the extension rod jig to hold the down-hole extension rods while adding additional rods.

4.8.4. When the leading extension rod has reached the stop pin down-hole, attach the extension rod handle to the top extension rod.

4.8.5. Turn the handle clockwise (right handed) until the stop pin detaches from the threads on the drive head. Pull up lightly on the extension rods during this procedure to check thread engagement.

4.8.6. Remove the extension rods and uncouple the sections as each joint is pulled from the hole. The extension rod jig may be used to hold the rod couplers in place as the top extension rods are removed.

4.8.7. The stop pin should be attached to the bottom of the last extension rod upon removal. Inspect it for damage. Once the stop pin has been removed, the sampler is ready to be redriven to collect a sample.

4.9. Sample Collection

4.9.1. Reposition the Geoprobe® machine over the probe rods, adding an additional probe rod to the tool string if necessary. Make a mark on the probe rod 24 inches above the ground surface (this is the distance the tool string will be advanced).

4.9.2. Attach a drive cap to the probe rod and drive the tool string and sampler another 24 inches. Use of the Geoprobe®'s hammer function during sample collection may increase the sample recovery in certain formations. Do not overdrive the sampler.

4.10. Retrieval

4.10.1. Remove the drive cap on the top probe rod and attach a pull cap. Lower the probe shell and close the hammer latch over the pull cap.

4.10.2. With the Geoprobe® foot firmly on the ground, pull the tool string out of the hole. Stop when the top (drive head) of the sampler is about 12 inches above the ground surface.

4.10.3. Because the piston tip and rod have been displaced inside the sample tube, the piston rod now extends into the 2-foot probe rod section. In loose soils, the 2-foot probe rod and sampler may be recovered as one piece by using the foot control to lift the sampler the remaining distance out of the hole.

4.10.4. If excessive resistance is encountered while attempting to lift the sampler and probe rod out of the hole using the foot control, unscrew the drive head from the sampler and remove it with the probe rod, the piston rod and the piston tip. Replace the drive head onto the sampler and attach a pull cap to it. Lower the probe shell and close the hammer

latch over the pull cap and pull the sampler the remaining distance out of the hole with the probe machine foot firmly on the ground.

4.11. Sample Recovery

4.11.1. Detach the 2-foot probe rod if it has not been done previously.

4.11.2. Unscrew the cutting shoe using the cutting shoe wrench, if necessary. Pull the cutting shoe out with the liner attached. If the liner doesn't slide out readily with the cutting shoe, take off the drive head and push down on the sidewall of the liner. The liner and sample should slide out easily.

4.12. Core Liner Capping

4.12.1. The ends of the liners can be capped off using the vinyl end cap for further storage or transportation. A black end cap should be used at the bottom (down end) of the sample core and a red end cap at the top (up end) of the core.

4.12.2. On brass, stainless steel, and Teflon® liners, cover the end of the sample tube with Teflon® tape before placing the end caps on the liner. The tape should be smoothed out and pressed over the end of the soil core so as to minimize headspace. However, care should be taken not to stretch and, therefore, thin the Teflon® tape.

4.12.3. The soil boring identifier and depth of sample should be marked at the top of the core (on the red end cap).

4.13. Sample Removal

4.13.1. To facilitate sample removal, each vinyl end cap can be slid off or, if there is resistance, they can be slit using a utility knife with a carpet blade. To cut vinyl end cap, slide blade under edge of cap at shallow angle and rotate the blade until cutting edge begins to cut the vinyl cap, and then draw the knife slowly toward the end of the cap. As the friction is reduced the end cap may move with the knife and become free of the sample liner.

4.13.2. Clear plastic and Teflon® liners can be slit open easily with a utility knife for the samples to be analyzed or placed in appropriate containers.

4.13.3. Brass and stainless steel liners separate into four 6 inch sections. The manual extruder may be used to push the soil cores out of the liner sections for analysis or for transfer to other containers.

4.13.4. The procedures for collection of soil samples for chemical analysis are described in the *Standard Operating Procedure for Soil Sampling*.

4.13.5. Soil samples collected for archive purposes shall be placed into soil jars and labeled with sample numbers, date, time, and LEA commission number.

4.14. Equipment Decontamination and Cleaning

4.14.1. Prior to conducting a boring, the LEA representative will ensure that all necessary equipment is clean and decontaminated, including the rig, all augers and probing equipment, samplers, brushes, and any other tools or equipment. Decontamination procedures may vary slightly from those presented below, dependent upon the particular types of contaminants encountered.

4.14.2. A section of 5 mil (minimum) plastic sheeting shall be cut of sufficient size to underlie the decontamination area to contain any discharge of decontamination solutions.

4.14.3. The following solutions (as appropriate for the anticipated contaminants) shall be prepared and placed in 500 ml laboratory squirt bottles:

- Methanol solution in water (less than 10 percent).
- 10 percent nitric acid solution in water (less than 10 percent).
- 100 percent hexane solution (to be used only if separate-phase petroleum product, other than gasoline, is present).
- Distilled deionized (DI) water.

4.14.4. A fifth solution of phosphate-free detergent and tap water (approximately 2.5 gallons) shall be prepared in a five-gallon bucket. Only those solutions required for site-specific conditions will be used at a given site, as specified in the site-specific work plan.

4.14.5. All loose debris shall be removed from the augers and spatulas into an empty 5-gallon bucket or plastic sheeting using a stiff bristled brush.

4.14.6. The order of decontamination solutions is as follows:

- Detergent scrub.
- Distilled water rinse.
- Hexane rinse (to be used only if separate-phase petroleum product, other than gasoline, is present).
- Distilled water rinse.
- 10 percent nitric acid rinse (to be used only when metals are suspected as potential contaminants).
- Distilled water rinse.
- Methanol rinse (less than 10 percent solution).
- Air dry.

4.14.7. All sampling equipment shall be decontaminated at the beginning of each project, in between sample collection, and at the completion of the project.

4.14.8. An alternative to the procedure described above requires that the larger equipment be cleaned using a high-pressure wash and steam cleaning in an area constructed to contain spent decontamination fluid and debris (plastic sheeting bermed with timber is usually sufficient). Alternative methods of cleaning may be more appropriate for an individual piece of equipment for site conditions based upon knowledge of site contaminants, and may be used at the discretion of the LEA representative. Section 4.19 provides additional information on management of potentially contaminated fluids and materials.

4.14.9. At the end of the project day, all used equipment shall be decontaminated. All spent decontamination solutions will be handled and disposed of in accordance with all applicable municipal, state and federal regulations.

4.15. VOC Monitoring

4.15.1. A portable volatile organic compound (VOC) analyzer equipped with a photoionization detector (PID) or flame ionization detector (FID) shall be available on site and shall be used to screen all cuttings and fluids (if any) removed from the hole.

4.15.2. Since, in general, it cannot be presumed that there is no contamination at a given site, all cuttings and/or fluids which show a reading on the VOC analyzer that is above background shall be containerized or drummed, as appropriate, on site. The soil cuttings should be containerized if the presence of other contaminants (such as metals, semivolatile organic compounds) is known or suspected. Additional information on management of potentially contaminated fluids and materials is presented in Section 4.19.

4.16. Sample Collection and Documentation

The following procedures will be followed for sample collection following removal from the borehole.

4.16.1. The sample tube shall be opened by the LEA representative and immediately scanned using the VOC analyzer using the approach described in Section 4.17.

4.16.2. The LEA representative will record on the boring log information described in Section 4.18.2.

4.16.3. Prior to reuse, the sampler shall be decontaminated using the procedures described in Section 4.14.

4.16.4. Soil samples collected for archival purposes shall be placed into soil jars and labeled with the sample number, date, time, and LEA commission number.

4.16.5. The procedures for collection of soil samples for chemical analysis are described in the *Standard Operating Procedure for Soil Sampling*.

4.17. Field Analysis

4.17.1. The following procedure shall be used to obtain readings with a portable VOC analyzer of the VOCs present in a soil sample:

- Obtain an aliquot of soil (approximately 50 grams) from the split spoon and placed into a plastic bag or equivalent and sealed.
- Agitate the sample, assuring that all soil aggregates are broken, for at least two minutes.
- Carefully break the seal of the bag enough to insert the VOC probe.
- Record the maximum reading obtained on the appropriate forms, as described in Section 4.18.

4.18. Field Documentation

4.18.1. The following general information shall be recorded in the field log book and /or appropriate field forms:

- Project and site identification.
- LEA commission number.
- Field personnel.
- Name of recorder.
- Identification of borings.
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and QA/QC sample identification.
- Field analysis method(s).
- Field observations on sampling event.
- Name of collector.
- Climatic conditions, including air temperature.
- Chronological events of the day.
- Status of total production.
- Record of non-productive time.
- QA/QC data.
- Name of drilling firm.
- Location of boring(s) on site in sufficient detail to relocate boring at a future time (include sketch).

4.18.2. The following information shall be recorded in the boring log:

- Project name, location, and LEA commission number.
- Borehole number, borehole diameter, boring location, drilling method, contractor, groundwater observations, logger's name and date.
- Depth below grade, sample number, duplicate numbers, VOC analyzer reading, rig behavior (i.e., drilling effort, etc.).
- A complete sample description following SOP ID 10015, *Geologic Logging of Unconsolidated Sedimentary Deposits*. This will include, as a minimum: depth, material size gradation using the Burmister system, color, moisture, and density. Should a well be constructed in a borehole, a complete well schematic shall be drawn and accurately labeled.
- Use of water, including source(s) and quantity.

4.18.3. The following information shall be recorded on the QA Checklist provided in the Daily Field Report:

- Review of all necessary site activities and field forms.
- Statement of corrective actions for deficiencies.

4.18.4. Any instrument calibration information shall be recorded in the "Instrument Calibration" section provided in the Daily Field Report, and shall include the following information:

- Instrument make, model, and type.
- Calibration readings.
- Standards and backgrounds used for calibration.

4.19. Disposal of Potentially Contaminated Materials

Potentially contaminated cuttings or fluids, as indicated by knowledge of the site, discoloration, VOC analyzer readings, or other evidence, shall be containerized on-site pending sampling and determination of hazardous waste status.

4.20. Refusal

Refusal is defined as failure to penetrate the subsurface materials to any greater depth using the maximum reasonable pressure limits of the Geoprobe® machine.

4.21. Bedrock

The term "bedrock" will not be used in a boring log or other description of subsurface materials that have been collected using the Geoprobe® machine, since a confirmatory core cannot be collected.

4.22. Boring Abandonment

4.22.1. If the boring is not to be used for other purposes (i.e., monitoring well, soil vapor probe, soil vapor extraction well, etc.) it shall be abandoned.

4.22.2. Excess cuttings shall be containerized, labeled and the analytical data of the contents reviewed/profiled before disposal.

4.22.3. The boring shall be filled and sealed with neat cement grout or high-density bentonite clay grout as soon as the tools are withdrawn from the borehole. The high-density bentonite clay grout shall be mixed per the manufacturer's directions. Typically, the high-density bentonite clay grout shall be 50 pounds of grout to 20 gallons of water. Grout to

be placed by bucket shall have the consistency of yogurt. Grout to be placed by pumping shall have additional water added and shall have a consistency of heavy cream in order to remain "pumpable."

4.22.4. In paved areas, the upper three feet of the borehole shall be filled, up to two inches below the existing grade, to allow for repairing of the pavement.

4.22.5. Pavement shall be repaired using cold patch asphalt filler or concrete.

5. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures shall comply with the procedures described in LEA SOP ID 10004. QA/QC samples, if required, (including performance evaluation samples, equipment blank samples, trip blank samples, and field duplicate samples) shall be collected according to the site-specific work plan.

6. References

6.1. Geoprobe® Systems, 1997, *1998-1999 Tools and Equipment Catalog*.

6.2. Geoprobe® Systems, *Geoprobe® Macro-Core Soil Sampler Standard Operating Procedure*, Technical Bulletin No. 95-8500, prepared 11/95, as revised.

6.3. Geoprobe® Systems, *Geoprobe® DT21 Dual Tube Soil Sampling System, Continuous Core Soil Sampler Standard Operating Procedure*, Technical Bulletin No. 982100, 09/98.

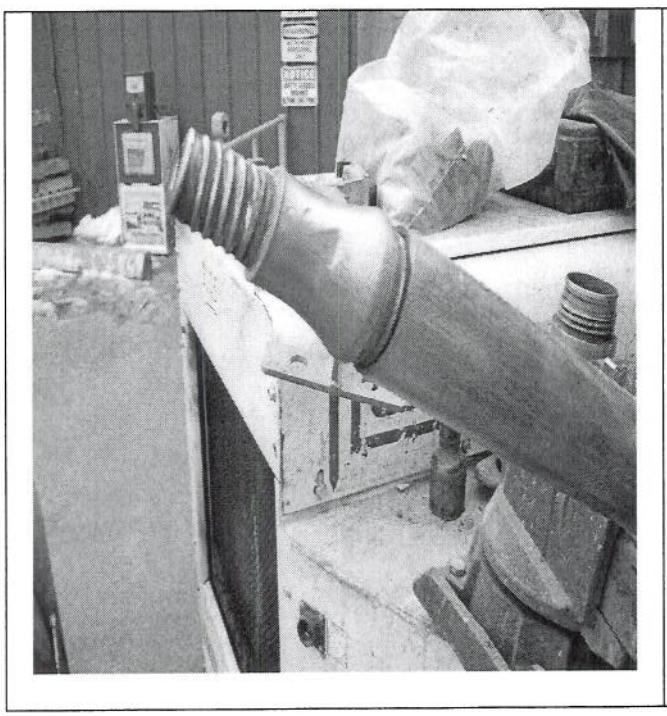
6.4. Geoprobe® Systems, *Geoprobe® Large Bore Soil Sampler, Discrete Interval Soil Sampler Standard Operating Procedure*, Technical Bulletin No. 93-660, prepared 09/96, revised 04/98.

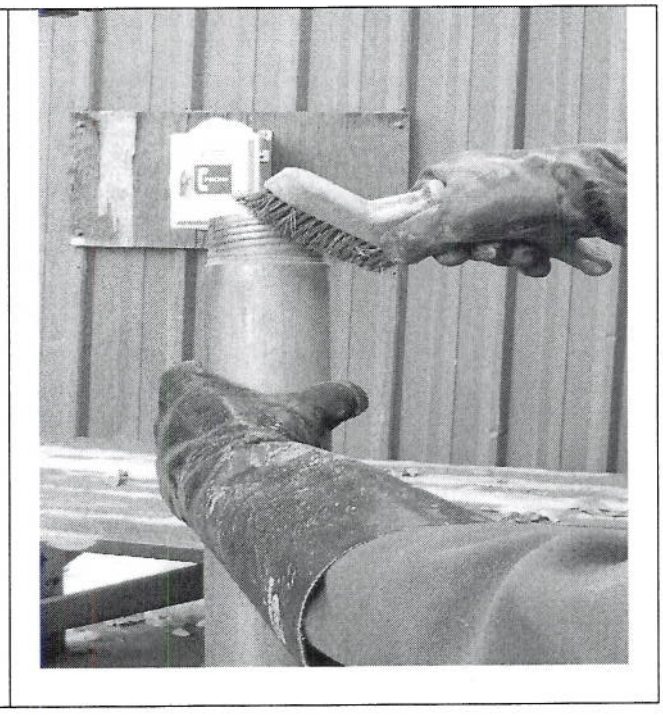
END OF DOCUMENT

Appendix A

Soil Sampling Practices with Macro-Core Soil Sampler

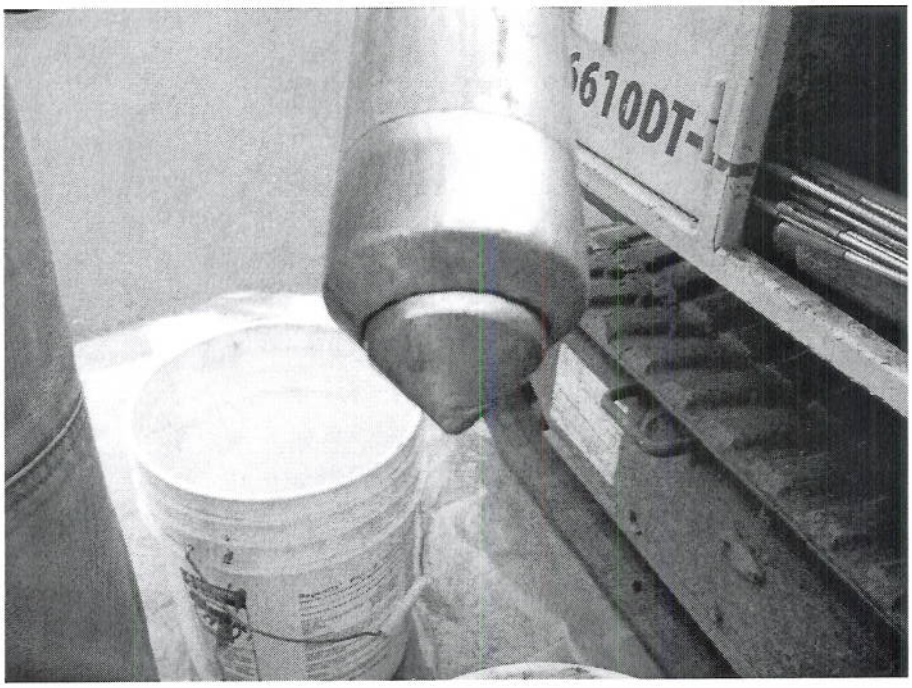






In the top photo the worker is tapping the internal threads of the drive head into which the Macro-Core (MC) Stop-Pin assembly will be screwed. This task is necessary as the threads tend to become distorted over time due to the constant pounding they endure. **IMPORTANT**: This is one of the most crucial steps in the MC Piston Rod assembly process as it increases the likelihood that the Stop-Pin assembly will easily disengage (unscrew) when it comes time to remove it so that the point assembly can be released and the soil sample obtained. It must be performed each time that the MC system is assembled. The external threads on the drive head and drill casings also need to be maintained on a regular basis. Brushing the threads before each use helps to keep the threads clean and free of built-up dirt. A little Crisco shortening on the threads also seems to help keep them from binding up.



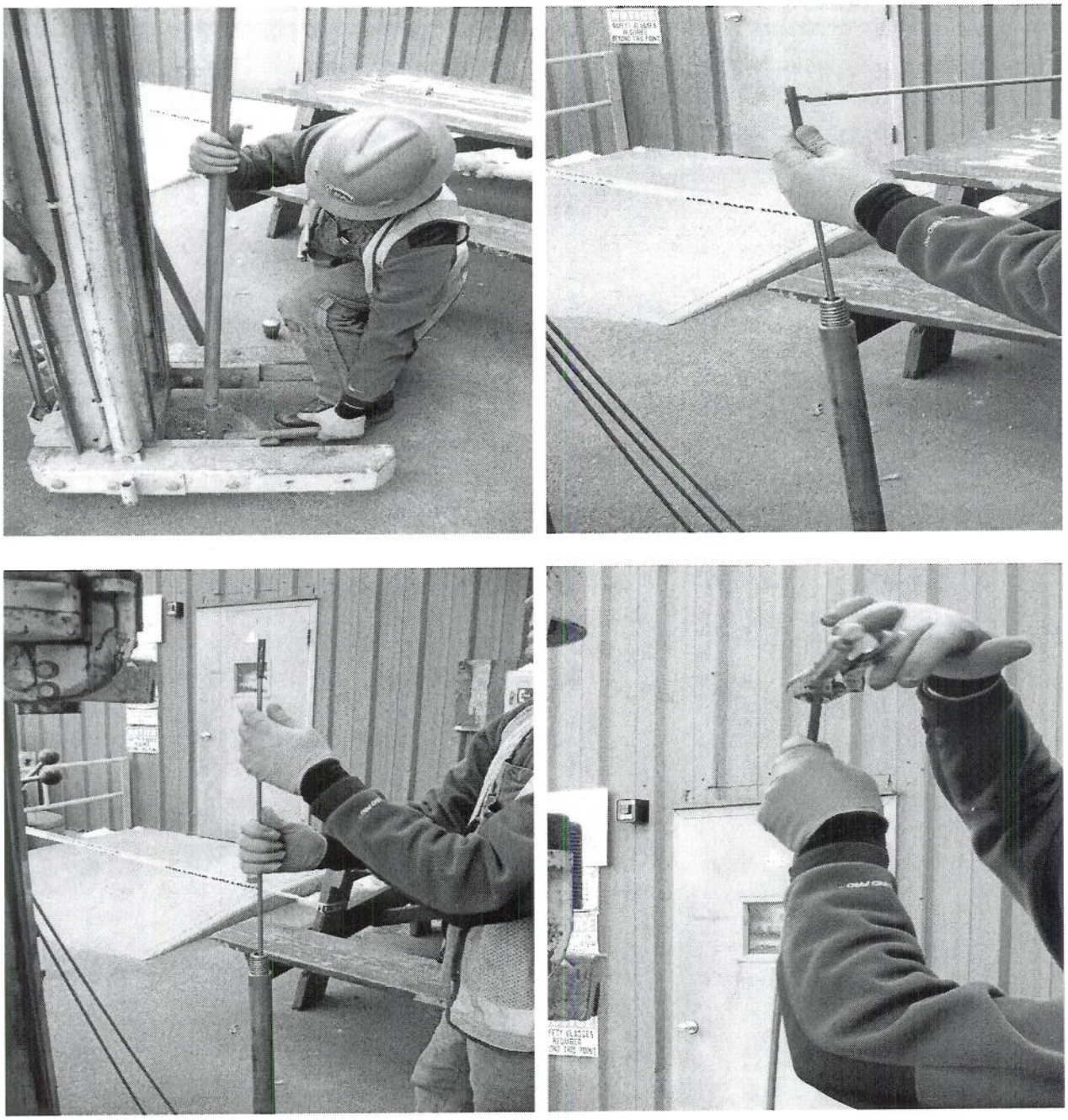


In these photos the focus is on the cutting shoe and the piston rod point assembly. As is the case for all of the equipment, the cutting shoe and piston rod point assembly need to be in very good condition. The key is that once assembled the piston rod point must extend out beyond the lip on the cutting shoe. The rod point should also fit tightly into the cutting shoe. If not it is likely that dirt will push up around the piston point and up into the cutting shoe. This will put unwanted pressure on the MC piston rod making it unlikely that the MC Stop-Pin assembly will unscrew easily when the time comes to remove it. **IMPORTANT:** Keep in mind that when the soil sampling system is in the ground upward pressure is being placed on the piston rod point, which puts pressure on the MC piston rod which in turn puts pressure on the MC Stop-Pin Assembly. Thus before you try to remove the MC Piston Rod make sure that you raise the entire system an inch or so to take pressure off of the piston rod point.





Once the MC piston rod is inserted into the sample tube a pair of Vise-Grips is usually attached to the MC Extension Rod Quick Link Connector (the end of the rod) and used to screw in the MC Stop-Pin assembly. Geoprobe® does offer tools for this task, however it is felt that these tools have handles that are too short and as such do not provide enough leverage. **IMPORTANT:** Once the stop pin is fully tightened back it off slightly by about 10 degrees. This is yet another crucial step that will increase the likelihood of the piston rod coming out easily.



Note the worker holding the pipe wrench in the top left photo. This is used to prevent the sample tube from falling down the hole. It is often wrested atop the operator's foot or the Geoprobe® foot. Steel-toed boots really help in this case. One word of caution, you should avoid placing your fingers between the wrench and the ground as shown in the top left photo. In the next several photos extension rods with Quick Link couplers are being inserted so that the MC Piston Rod can be removed. Once again Vise-Grips are the tool of choice for unscrewing the MC Piston Rod. If we have done all of our preventative maintenance the MC Piston Rod should unscrew with minimal effort. Some force might be needed to "pop" it loose but not too much.

IMPORTANT: When you are sampling at greater depths you will have to use several extension rods to get the MC Piston Rod out. Keep in mind that these smaller diameter extension rods tend to torque as you try to unscrew the MC Piston Rod. Should you let go under these conditions the extension rods and any tool (Vise-Grip) attached to them are going to want to "unwind" and "snap

back". This could result in a part of your body getting smacked by the Vise-Grip with the potential for injury being very high. To prevent this never apply excessive force when trying to disengage (unscrew) the piston rod and never simply let go of the Vise-Grip after applying force. If the piston rod does not unscrew easily the safest decision is to pull up the sample tubes a section at a time until you can work directly on the MC Piston Rod and MC Stop-Pin Assembly directly.

(This information can be found in greater detail in Geoprobe's® Technical Bulletin No. 95-8500)

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Geologic Logging of Unconsolidated Sedimentary Materials

SOP ID: 10015
Date Initiated: 12/27/94
Revision No. 002: 01/15/02

Approved By: */s/ Kimberly C. Clarke* *01/15/02*
Kimberly C. Clarke **Date**
Senior Project Scientist

/s/ Nick D. Skoularikis *01/15/02*
Nick D. Skoularikis **Date**
Director Of Quality

REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	12/27/94	
001	11/20/96	No record
002	01/15/02	Formatting and minor revisions throughout

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Geologic Logging of Unconsolidated Sedimentary Materials

1. Purpose and Scope

This document presents the methods and procedures used to describe unconsolidated sedimentary materials for geological purposes in a uniform and consistent manner. It includes procedures for properly recording the observations by providing guidelines for completing boring logs and submitting those logs for computer entry. This Standard Operating Procedure (SOP) refers only to geologic logging of soils and sediments (including artificial fill and other man-made deposits) and specifically is not intended to describe logging of soils or sediments for geotechnical or other engineering purposes. Although the SOP presents a system for describing sediments, it is not intended to be a definitive reference for classifying sedimentary materials, nor is it intended to replace experience or training. Individuals using this SOP should be trained and competent in field methodologies and geologic logging prior to commencing field activities.

2. Definitions

2.1. None

3. Equipment

3.1. Equipment required for the geologic logging of soil/sediment samples shall include the following items:

- Tape measure or scale.
- Hand lens.
- Color chart.
- Grain-size comparator.
- Field forms.
- Indelible marker(s).
- Small table.
- Field Paperwork.
- Clipboard.

4. Procedures

4.1. Sample Collection

Samples of soil and unconsolidated sedimentary materials will be collected in general accordance with the SOPs for Soil Sampling (SOP ID 10006), Hand Auger Borings (SOP ID 10003), Hollow Stem Auger Soil Borings (SOP ID 10008), and Geoprobe® Probing and Sampling (SOP ID 10011). Those SOPs include procedures for decontamination of equipment required for sample collection, as well as providing the methodologies for sample collection and documentation.

4.2. Descriptions of Unconsolidated Sedimentary Materials

4.2.1. General Sediment Description Guidelines

For the purposes of geologically logging unconsolidated soils and sedimentary materials, a Modified Burmister method of description and classification should be used. The Modified Burmister Sediment Classification System (or simply, Burmister System) is intended as a rapid field method for identifying and classifying sediments. The system is based upon visual identification of the generalized grain-size distribution and description of the physical characteristics of the sample.

A Burmister System description is comprised of three parts: a color descriptor; a grain-size descriptor; and modifier(s). The color descriptor indicates the overall color or colors of the wet sample. The descriptor consists of a color name or names and (if possible) the color code from a standard color reference (for example, a Munsell[7] Color Chart). The grain-size description indicates the predominant grain size in the sample, as well as the relative percentages of other grain sizes present.

Modifiers are used to further describe the geologic character of the sample. Modifiers may include descriptions of moisture content, sorting, sphericity, angularity, sedimentary structures or other pertinent information.

4.2.2. Color Description

The color of the wet sediment should be determined with reference to a standard color comparator (for example, a Munsell[7] Color Chart) for rocks or sediment. The included color descriptor should contain both the color name and, when a color comparator is used, the appropriate hue-chroma value code, for example "Reddish brown (5YR 4/4)". The color of a sample should always be gauged when the sample is wet, or it should be noted otherwise.

4.2.3. Predominant Grain-Size Description

The first step in describing a sediment sample is visually estimating the size range and percentage of the various grain sizes in the sample. Reference should be made to standard geologic comparators for assessment of the grain size(s).

The primary grain-size descriptor indicates the predominant grain size, as judged visually, of the sample. The descriptor is always capitalized and underlined. Possible descriptors include: CLAY, SILT, SAND, and GRAVEL (GRANULES, PEBBLES, COBBLES, and BOULDERS). These correspond to the standard Wentworth size-classification scheme used for describing sediments for geologic purposes. Size classifications for CLAY through GRAVEL are presented in Table 1. The descriptor should also include an indication of the relative size range of the sample within the predominant grain size (for example, "fine-to-medium sand", "coarse sand", etc.). Although Table 1 includes divisions of the silt category, this is applicable only to sediment samples analyzed by pipette or hydrometer and cannot be distinguished in the field.

The presence of other grain sizes, in addition to the predominant material is also included in the grain-size descriptor. Appropriate grain sizes are the same as for the predominant grain size of the material (clay, silt, etc.), however only the initial letter of the word is capitalized. The description should also include an indication of the relative amount of the minor components. Appropriate indicators for the relative percentages present are provided in Table 2.

It is generally not considered possible to visually distinguish between clay and silt. Estimation of the silt/clay content of a sample should be based upon the plastic properties of the sample. The plastic properties of the sample may be estimated by taking an approximately 1 cubic centimeter ball of the sediment and attempting to roll a thread of the material between the palms of the hand. The minimum size of the thread which may be rolled may be compared to the values presented in Table 3 and the plasticity estimated. A comparison of the minimum thread diameter which may be formed with the information presented in Table 3 provides an approximate silt/clay content estimate for sand-silt-clay sediments and composite clay sediments.

4.2.4. Modifiers

Various modifiers may be added to the basic sediment description to further describe the geologic character of the sample.

For sand or coarser-sized material, the relative degree of sorting, the sphericity, and angularity should also be recorded. Sorting may be visually estimated. Sphericity and angularity, however, should be made with reference to an accepted comparator. A chart illustrating various degrees of sphericity and angularity is attached as Figure 1.

The mineralogy of the sample should also be recorded. Reference should be made to the relative percentages, grain size(s), and sphericity of the mineral particles (especially where it differs significantly from that of the predominant grain-size material).

Other information which should be recorded for each sample includes an estimate of the density and cohesiveness of the sample (made from blow counts where applicable, or other specific instrumentation where appropriate), the relative moisture content of the sample, visible sedimentary structures, and any odors or staining noticeable during logging. Tables 3 and 4 present appropriate terms for describing the plasticity, density, and cohesiveness of sediment samples.

Especially important is an indication that a specific portion of the material may represent "sluff" or material collapsed from the borehole walls.

4.3. Written Sediment Descriptions

The written sediment description may be made as either an unabbreviated or an abbreviated description. Both methods should relate the same information, however the abbreviated description is better suited for field use.

In an unabbreviated description, all of the words of the description should be written out in their entirety. The descriptor should include pertinent information regarding the sample's size gradation, consistency, color, and relative grain size, as described previously. The color descriptor should precede the primary sediment component name, while additional details such as the plasticity, mineralogy, visible sedimentary structures, etc., should follow the sediment component name.

An example of an unabbreviated description is:

Red-brown (5YR 4/4), fine to coarse SAND, little fine Gravel, little Silt, moist, moderately well sorted, low sphericity, Gravel waterworn, Sand subangular, micaceous.

Since the Burmister system is intended to provide a means for describing uniform sediments, three "special" cases should be addressed.

First, the Burmister system is intended only to describe the sediment. Where a genetic classification of the material is significant, it should be added as a separate statement at the end of the description. For example:

> **Olive gray (5Y 4/2), coarse to fine SAND, some fine Gravel, little Silt, moist, poorly sorted, sub-rounded to angular, dense. TILL.**

A genetic classification should only be used when the origin of the material is very clear and not simply a field interpretation of possible depositional environment.

Second, in the case where the sediment sample is heterogeneous (for example, a varved silt and clay), each component should be described individually, and reference should be made to the relative percentages of each component and to the interlayering. For example:

> **Soft, reddish-brown (5YR 3/4), CLAY and SILT, alternately layered, medium to high overall plasticity. Layers: CLAY layers, 3/8" to 5/8" thick, comprise 60%" of sample. SILT layers, 1/8" to 3/8" thick, comprise 40%" of sample. VARVED CLAY and SILT.**

Third, when one material grades uniformly into a distinct sediment type, the individual components should be described separately and the gradation noted. For example:

> **Soft, reddish-brown (5YR 3/4), CLAY, medium overall plasticity, grading into soft, reddish-brown (5YR 4/4), SILT, trace Clay, low overall plasticity.**

In the abbreviated sediment descriptions, the sample information is presented in a manner analogous to that for the unabbreviated description substituting standard abbreviations for specific portions of the text. Abbreviations for the identifying terms in the Burmister system are presented in Tables 2, 3, and 4. Mineralogic and geologic abbreviations may be found in standard geologic and mineralogic texts and field manuals. Except for the use of abbreviations, the abbreviated description is completely analogous to the unabbreviated description.

For the sake of consistency in describing unconsolidated sedimentary materials, the description should follow the order and general definitions presented in Table 5.

4.4. Recording Descriptions

4.4.1. Geologic Boring Logs

Attached to this SOP is a copy of LEA's standard geologic boring log form. This log should be completed for each boring that is completed. The heading information is self-explanatory. The body of the log contains space for information for each sampled interval in the boring. The following information should be recorded:

Depth Interval	The upper and lower depths from which the sample was collected.
Sample No.	The sample number, as obtained from LEA Data Management, assigned to this sample.
Recovery	The length of the recovered sample and the length of the sampler (in consistent units). The percent recovery will be calculated by the LEA Data Management program.
Blows/6"	The number of blow counts per 6" interval for the sample. Alternately, the downhole pressure or other pertinent information regarding the required drilling or sampling force.
Sample Description	The sample description using the guidelines and order presented in Section 3.0 and Table 5.
PID/FID	The headspace reading from a PID or FID in ppm.

The comments section of the form should be used to record general observations regarding drilling conditions, backfilling of the borehole, or other pertinent information regarding drilling the borehole.

4.5. Computer Data Entry

After a project is completed, copies of the Geologic Boring Log forms should be submitted for computer data entry. A completed copy of the Geologic Soil Boring/well Completion Log Request Form should be attached to the log forms.

5. Quality Assurance/Quality Control

5.1. Soil and sediment logging will be conducted in accordance with this SOP to ensure quality and consistency in field activities.

5.2. Field paperwork will be reviewed by office staff personnel and/or project manager to ensure completeness and accuracy in logging records.

6. References

6.1. None

END OF DOCUMENT

TABLE 1
Wentworth Size Classification System

US Standard Sieve Sizes	Millimeters	Microns	Phi (N)	Wentworth Size Classification	
Use Wire Squares	4096	4,096,000	-20	Boulder	GRAVEL
	1024	1,024,000	-10		
	256	256,000	-8		
				Cobble	
	64	64,000	-6		
				Pebble	
	16	16,000	-4		
5	4	4,000	-2		
				Granule	
6	3.36	3,360	-1.75		
7	2.83	2,830	-1.50		
8	2.38	2,380	-1.25		
10	2.0	2,000	-1.00		
				Very Coarse Sand	SAND
12	1.68	1,680	-0.75		
14	1.41	1,410	-0.50		
16	1.19	1,190	-0.25		
18	1.00	1,000	0.00		
				Coarse Sand	
20	0.84	840	0.25		

TABLE 1
Wentworth Size Classification System

US Standard Sieve Sizes	Millimeters	Microns	Phi (N)	Wentworth Size Classification
25	0.71	710	0.50	
30	0.59	590	0.75	
35	0.50	500	1.00	
				Medium Sand
40	0.42	420	1.25	
45	0.35	350	1.50	
50	0.30	300	1.75	
60	0.25	250	2.00	
				Fine Sand
70	0.210	210	2.25	
80	0.177	177	2.50	
100	0.149	149	2.75	
120	0.125	125	3.00	
				Very Fine Sand
140	0.105	105	3.25	
170	0.088	88	3.50	
200	0.074	74	3.75	

TABLE 1
Wentworth Size Classification System

US Standard Sieve Sizes	Millimeters	Microns	Phi (N)	Wentworth Size Classification	
230	0.0625	62.5	4.00		
				Coarse Silt	MUD
270	0.053	53	4.25		
325	0.044	44	4.50		
Analyzed by Pipette or Hydrometer	0.037	37	4.75		
	0.031	31	5.0		
				Medium Silt	
	0.0156	15.6	6.0		
				Fine Silt	
	0.0078	7.8	7.0		
				Very Fine Silt	
	0.0039	3.9	8.0		
				Clay (Note: Some use 2: (or 9N) as the clay boundary.)	
	0.0020	2.0	9.0		
	0.00098	0.98	10.0		
	0.00049	0.49	11.0		
	0.00024	0.24	12.0		
	0.00012	0.12	13.0		

TABLE 1
Wentworth Size Classification System

US Standard Sieve Sizes	Millimeters	Microns	Phi (N)	Wentworth Size Classification
	0.00006	0.06	14.0	

Table 2
Modified Burmister System Descriptors

Fractions		Proportion Descriptors		
(+)	Major Fraction	Quantity	Descriptor	Abbreviation
(-)	Minor Fraction	35% - 50%	and	a
e.g., a medium to coarse SAND which is predominantly medium grained would be written as: m(+) - c <u>SAND</u>		20% - 35%	some	s
		10% - 20%	little	l
		1% - 10%	trace	t
		Modifiers: (+) Upper a of the range (-) Lower a of the range		

Table 3
Plasticity of Sediment Samples

Material	Symbol	Feel	Ease of Rolling Thread	Minimum Thread Diameter	Plasticity Index	Plasticity
Clayey SILT	CyM	Rough	Difficult	1/4"	1 to 5	Slight (Sl)
SILT & CLAY	M & C	Rough	Less Difficult	1/8"	5 to 10	Low (L)
CLAY & SILT	C & M	Smooth, dull	Readily	1/16"	10 to 20	Medium (M)
Silty CLAY	MyC	"Shiny"	Easy	1/32"	20 to 40	High (H)
CLAY	C	Waxy, very shiny	Easy	1/64"	40 +	Very High (VH)

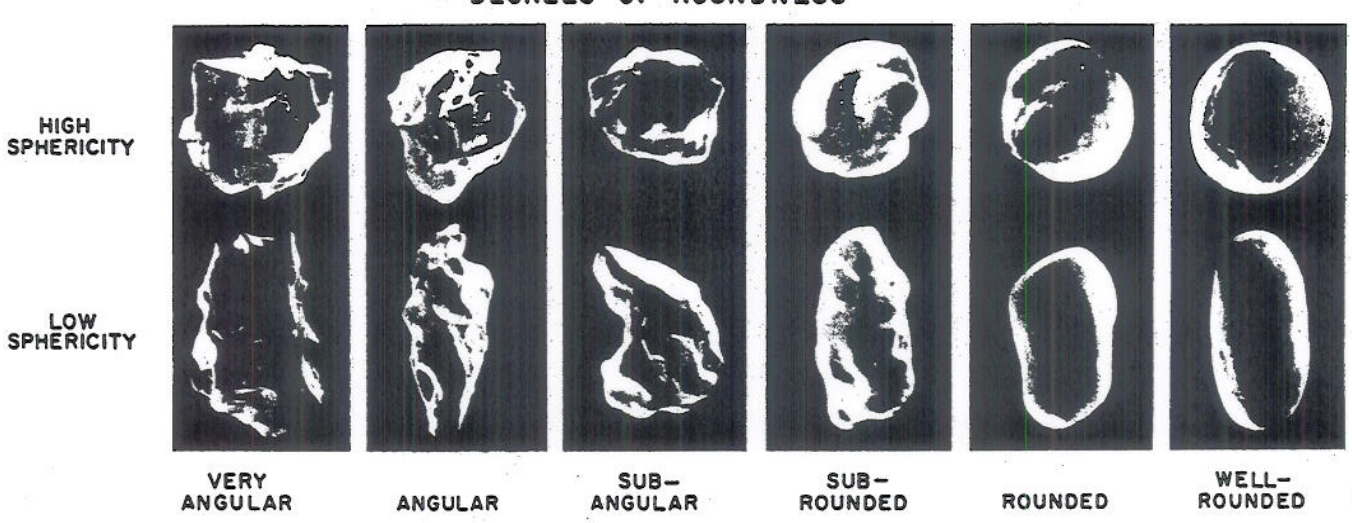
Table 4
Density and Cohesiveness of Sediment Samples

Density of Cohesionless Soils		Consistency of Cohesive Soils	
Blow Counts	Relative Density	Blow Counts	Consistency
0 to 4	Very Loose	0 to 2	Very Soft
5 to 9	Loose	2 to 4	Soft
10 to 29	Medium Dense	4 to 8	Medium
30 to 49	Dense	8 to 15	Stiff
50 to 79	Very Dense	15 to 30	Very Stiff
80 or more	Extremely Dense	30 or more	Hard

Table 5
Description of Sediment Properties

Sediment Parameter	Properties
Color	The color of the sample should be described for the wet sediments. If possible the color should be referenced to a standard color chart such as a Munsell7 Color Chart.
Primary Grain Size	Primary grain size refers to the size of the predominant sedimentary size class within the material (as judged visually). The grain size divisions should conform to the standard Wentworth Scale divisions, as shown in Table 1.
Secondary Grain Size(s)	Secondary grain size(s) refer to material which, as a grain-size group, comprises less than the majority of the sediment. Aside from stating the size classification, the relative percentage of the material must be stated. The grain size divisions should conform to the standard Wentworth Scale divisions as shown in Table 1. To describe the approximate percentage of the secondary grain size(s) present, qualifiers shown in Table 2 should be used.
Moisture Content	The moisture content of the sample should be described as dry, slightly moist, moist, or wet. Gradation from one state to another should be recorded as, for example, moist to wet, or moisty wet.
Sorting	The relative degree of sorting of the sediment should be indicated as poor, moderate, good, or very good. The degree of sorting is a function of the number of grain size classes present in the sample; the greater the number of classes present the poorer the sorting. In addition, for samples composed only of sand, the relative degree of sorting is a function of the number of sand-size subclasses present.
Sphericity	Sphericity is a measure of how well the individual grains, on average, approximate a sphere. The average sphericity of the sand and larger size fractions should be described as low, moderate or high. A chart illustrating various degrees of sphericity is presented in Figure 1.
Angularity	Angularity, or roundness, refers to the sharpness of the edges and corners of a grain (or the majority of the grains). Five degrees of angularity are shown in Figure 1: Angular (sharp edges and corners, little evidence of wear); Subangular (edges and corners rounded, faces untouched by wear); Subrounded (edges and corners rounded to smooth curves, original faces show some areas of wear); Rounded (edges and corners rounded to broad curves, original faces worn away); and, Well Rounded (no original edges, faces, or curves, no flat surfaces remain on grains).
Sedimentary Structures	Sedimentary structures are such things as varved layers, distinct bedding, or stratification.
Density -or- Cohesiveness	The density of cohesion of a sample (for the purposes of this application) refer to the sample's resistance to penetration by a sampling device. Density is used in reference to sediments primarily silt-size and coarser while cohesiveness is used in reference to primarily clay-sized sediments. Density or cohesiveness can be assessed from the number of blows from "standard" split-spoon sampling (i.e., 140# hammer, 30" fall, 2" X 2" (O.D., 1 3/8" I.D.)) split-spoon samplers according to the scale in Table 3.

FIGURE 1

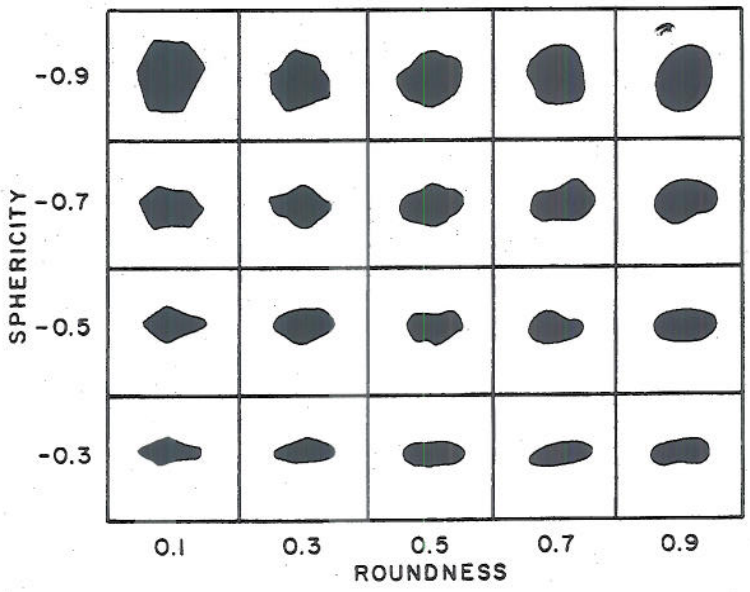


SPHERICITY

0.3	LOW
0.5 & 0.7	MODERATE
0.9	HIGH

ROUNDNESS

0.1	ANGULAR
0.3	SUBANGULAR
0.5	SUBROUNDED
0.7	ROUNDED
0.9	WELL ROUNDED



Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Test Pit Sampling

SOP ID: 10048
Date Initiated: 08/31/01
Revision No. 002: 04/01/12

Approved By: _____ *04/01/12*
Joseph T. Trzaski **Date**
Senior Project Scientist

_____ *04/01/12*
Nick D. Skoularikis **Date**
Director of Quality

REVISION RECORD

Rev #	Date	Additions/Deletions/Modifications
Initial Issue	08/31/01	
001	07/16/02	Formatting changes.
002	04/01/12	Reference was provided to the company's updated Groundbreaking Procedure, described in interoffice memo from Brian Cutler dated December 6, 2011. The requirement for a site-specific HASP and JHA was stressed out.

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Test Pit Sampling

1. Purpose and Scope

This document discusses procedures for collection of soil samples from test pits for laboratory analysis. Methods for quality assurance/quality control requirements are included in a separate standard operating procedure (SOP).

2. Definitions

None

3. Equipment

Equipment required for the collection of samples shall include the following. Other equipment or sampling devices may be used if deemed necessary and appropriate for individual sampling tasks: Stainless steel spatula (spoon, scoop, trowel, etc.) for transfer of materials from sampling device to sample jars

- Polyethylene or stainless steel beaker.
- Long-handled scoop.
- Coliwasa tube.
- Drum thief.
- Hand auger.
- Polyethylene bailer.
- Teflon® bailer.
- Bomb sampler.
- Peristaltic pump.
- Bailer twine.
- Water level indicator.
- Interface probe.
- Tape measure.
- Distilled water and decontamination fluids.
- Hand towels.

- Polyethylene plastic sheeting.
- Sample collection jars.
- Clean disposable gloves.
- Field documentation paperwork.
- Indelible marker.
- Cooler, cold packs and maximum/minimum thermometer.
- Custody seals and sample labels.
- Alconox®, or other non-phosphate laboratory grade detergent.
- 5-gallon buckets.
- Decontamination brushes.
- Distilled, de-ionized water.
- Decontamination fluids (< 10% methanol in water, 100% n-hexane, and 10% nitric acid).

4. Procedures

4.1. Utilities

4.1.1. Notify the appropriate "one call" utility notification service (e.g. Call Before You Dig at 1-800-922-4455, Contractor ID: 10502) at least three working days prior to commencing operations on a site. The locations of all proposed borings must be clearly marked in the field prior to notification. The Project Engineer/Manager **must** call and confirm that each utility has been to the site and has marked their respective lines.

4.1.2. The planned groundbreaking site shall be walked with the field team to identify any physical signs (depressions, manhole covers, conduit or downspouts entering the ground, changes in vegetation, variations in the pavement etc.) that suggest the presence of underground utilities/structures. The walk-through shall also be used to identify any other issues that might prevent the safe completion of the groundbreaking task such as overhead wires (drill mast concern), limited means of access or egress, exposure to the public, etc.

4.1.3. On private sites, consult with the Owner or other person knowledgeable about the site as to the locations of potential private or abandoned utilities and locate these prior to beginning work. Upon the

discretion of the Project Engineer/Manager, a pipe locator can also be used to assist in locating utilities.

4.1.4. Note that OSHA may have additional requirements for location of utilities.

4.1.5. All efforts to locate underground utilities (including names of owner or designee and time) should be properly documented in the field logbook prior to onset of the work scheduled.

4.1.6. Reference shall also be provided to the company's updated Groundbreaking Procedure, described in interoffice memo from Brian Cutler dated December 6, 2011, or as subsequently updated. The goal of the revised procedure is to increase our diligence and attention to the safe execution of our field and construction activities.

4.2. Health & Safety

4.2.1. The Senior LEA representative shall be the Competent Person required by OSHA for all work. However, this does not relieve other LEA representatives from bringing to his or her attention conditions, which may be unsafe or present a hazard to the drilling crew, the general public, or other workers on the site.

4.2.2. A site-specific Health & Safety Plan (HASP) and a Job Hazard Analysis (JHA) shall be developed specific to the work planned at the site. These documents shall be reviewed with all field team members.

4.3. Preliminary Sampling Procedures

4.3.1. Sample Bottles

4.3.1.1. A Laboratory Request Form shall be completed and submitted to the laboratory with following information:

- Project.
- LEA commission number.
- Date of submittal and date needed.
- Quantity of sample locations and sample points at each location.
- Type(s) of samples.
- Analytes, detection limits and QA/QC needed.

- Cooler(s) required.
- Number of Chain-of-Custody forms requested.

4.3.1.2. Check bottles against Laboratory Request Form for completeness. The bottles should also be checked for damage and cleanliness. Confirm with laboratory personnel the adequacy of the preservatives used.

4.3.1.3. Label all bottles prior to sampling with the information and check for accuracy. This step may also be performed in the field prior to sample collection.

4.3.1.4. The total number of sample sets shall be increased by 10 percent to allow for possible breakage during transport to sites or other contingencies (minimum: one additional sample bottle set per event).

4.3.1.5. A cooler with adequate ice or cold packs should be obtained from the laboratory to ensure that the collected samples remain at 4°C during transport. Packing material should also be obtained to ensure against breakage during transport.

4.3.2. Site Preparation

4.3.2.1. Polyethylene sheeting shall be laid on the ground in the vicinity of the sample collection location.

4.3.2.2. Decontaminated liquid and sludge collection devices shall be wrapped in aluminum foil and placed in a convenient location. Pre-labeled sample bottles shall be placed in a convenient location and in order of sample collection.

4.4. Equipment Decontamination

All materials and equipment which enter a drum, tank or pit must be clean and free of any potential contaminants. In general, the choice of decontamination procedures should be based upon knowledge of site-specific conditions or container specific contaminants and outlined in the site-specific work plan.

For sites at which the contaminants are unknown, but contamination is suspected, the decontamination procedures outlined below should be followed.

4.4.1. Prior to commencing any field activities, the following solutions (as appropriate for the appropriate contaminants) should be prepared and placed into 500-ml laboratory squirt bottles: 10 percent methanol in water; 10 percent nitric acid in water; 100 percent n-hexane; distilled, de-ionized water.

4.4.2. In the field, prepare approximately 2.5 gallons of a solution of Alconox® (or other suitable non-phosphate laboratory grade detergent) in tap water in a 5-gallon bucket.

4.4.3. Prepare a piece of 5-mil polyethylene sheeting to underlie the decontamination area. The sheeting should be of sufficient size to contain any accidental discharge of decontamination solutions. The plastic should be bermed to contain spills.

4.4.4. The order for decontaminating equipment is as follows:

1) Detergent scrub.
2) DI water rinse.
3) Hexane rinse (to be used only if separate-phase petroleum product, other than gasoline, is present).
4) DI water rinse.
5) 10 percent nitric acid rinse (to be used only when metals are suspected as potential contaminants).
6) DI water rinse.
7) Methanol rinse (less than 10 percent solution).
8) Air dry.

4.4.5. Materials such as the cord should not be decontaminated and should just be disposed of after each test.

4.4.6. Should identification of decontaminated and non-decontaminated equipment be required, wrap each piece of decontaminated equipment in aluminum foil, as appropriate, to maintain cleanliness.

4.4.7. At the end of the project day, dispose of all spent decontamination fluids and materials such as the polyethylene sheeting and personal protective equipment in accordance with all applicable municipal, state, and federal regulations.

4.5. Sampling Procedures

4.5.1. All personal protective equipment (PPE) should be donned and maintained in accordance with the site specific work plan or health

and safety plan during all sampling procedures. In the event that no PPE has been specified for a particular sampling event, disposable latex gloves should be donned, as a minimum during all sampling procedures.

4.5.2. Measure the depth to the surface of the material in the drum, tank or pit using a water level indicator or tape measure. Record in field paperwork. The dimensions of pits or tanks will be measured or estimated and recorded in the field paperwork. A description of the locations of the drum, tank, or pit will also be noted in the field paperwork. All measuring devices should be properly decontaminated after use following the procedures in the Section entitled, *Equipment Decontamination*.

4.5.3. Sludges and liquids from drums, pits, and tanks may be taken as discrete or composite samples. Composite samples will consist of several smaller liquid or sludge samples taken at various points and depths of the drum, tank or pit. During sample collection it may be observed that liquids and/or sludges are layered as a result of differential settling rates or different densities across the media. If layering is encountered, where feasible and appropriate, collection of discrete samples from each layer will be attempted. An interface probe may be required to locate the depths of any immiscible layers (light or dense) in the drum, tank, or pit.

4.5.4. Sludges or liquids in drums and small containers are generally collected using glass coliwasa tubes or drum thieves. These tubes provide a representative sample and allow a cross-sectional view of the material inside the drum. The sample is transferred directly from the tubes to the sample containers.

4.5.5. For more viscous liquid or sludge samples, a long-handled scooping device may be used to scoop the material from the drum, pit, or tank.

4.5.6. In some instances, it may be desirable to use a pump to transfer liquids from a pit or tank to a sample container. Typically, a peristaltic pump would be used to collect samples in this manner. The tubing for the pump may have to be attached (using duct tape, plastic binders, etc) to a rigid pole to obtain samples. If two or more discernable layers, discrete samples from each layer will be attempted (where feasible and appropriate). In these instances, care will be taken to prevent overfilling of sample containers.

4.5.7. The following steps are taken for liquid or sludge sampling of a drum, pit, or tank with sample devices:

4.5.7.1. The sample area, including recognizable features, is sketched and/or described on the daily field report supplemental sheet for future reference.

4.5.7.2. A sampling device is selected and used to collect the sample.

4.5.7.3. A liquid sample is transferred directly into an appropriate pre-labeled sampling bottle. Depending on the viscosity of a sludge sample, a stainless steel spoon, scoop, or spatula may be needed to transfer the material into the sample container.

4.5.7.4. Care will be exercised during sample collection and transfer to sample containers to minimize spillage of the sampled materials. Where material is spilled, it will be collected and cleaned-up immediately.

4.5.7.5. The cap is tightly secured and the sample is placed in an ice packed cooler.

4.5.7.6. Where a tank or drum was opened to allow for sample collection, the openings will be closed and re-secured.

4.6. Post-Sampling Procedures

4.6.1. Should the laboratory be local, transport the samples directly to the laboratory. The representative of LEA should witness the verification of the chain-of-custody and obtain a carbon copy for filing in the project notebook.

4.6.2. Should the laboratory be distant, arrange for transport with a reputable carrier service. The cooler and samples shall be secured for transport, and all mailing documentation secured onto the top of the cooler. Unless otherwise specified, delivery shall be overnight. A request for confirmation of acceptance should be made to the carrier at the time of pick-up.

4.7. Documentation

4.7.1. The following general information will be recorded in the field log book and/or on appropriate field forms:

- Project and site identification.
- LEA commission number.
- Site location.
- Field personnel.
- Name of recorder.
- Identification of sampling locations.
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and QA/QC sample identification.
- Preservative(s) used.
- Parameters requested for analysis.
- Field analysis method(s).
- Field observations on sampling event.
- Name of collector.
- Climatic conditions including air temperature.
- Chronological events of the day.
- Status of total production.
- Record of non-productive time.
- QA/QC data.
- Locations of samples on the site in sufficient detail to relocate samples at a future time (include sketch).

4.7.2. The following information will be provided on the sample label using an indelible pen:

- Date and time of collection.
- Parameter(s) requested (if space permits).
- Client name, location and LEA commission number.
- Sample identification number.

4.7.3. The following information will be recorded on the sample collection data sheet:

- Client name, location and LEA commission number.
- Sample identification number.
- Date and time of collection.
- Depth/layer from which sample was obtained.
- Container number or location of material sampled.
- Description of material sampled (color, odor, viscosity, liquid or solid).
- Type of sampling device used.

4.7.4. The following information will be recorded on the chain-of-custody record:

- Client's name and location.
- Sample identification and/or number.
- Date and time of collection.
- Container type, number, size.
- Preservative used.
- Signature of collector.
- Signatures of persons involved in the chain of possession.
- Analyses to be performed.
- Type and number of samples.

5. Quality Assurance/Quality Control

Quality assurance/quality control (QA/QC) procedures shall comply with those procedures described in Section 4. QA/QC samples, if required, (including performance evaluation samples, equipment blank samples, trip blank samples, and field duplicate samples) shall be collected according to the site-specific work plan.

6. References

- LEA, 2011. LEA/LCI Interoffice Memo from Brian Cutler to everyone regarding ‘Updated Groundbreaking Procedure’, dated December 6, 2011.

END OF DOCUMENT

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds

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04/01/12
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Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds

1. Purpose and Scope

1.1. Background

Volatile organic compounds (VOCs) are lost from soil and sediment samples (hereinafter referred to as soil samples) due to volatilization and biodegradation during collection, storage and analysis. This leads to low-biased results. Some commonly used techniques are prone to relatively large losses and results that are potentially biased quite low. Such techniques involve collection of disturbed soil samples and storage in soil jars without air-tight seals. This standard operating procedure (SOP) describes soil sample collection and preservation techniques designed to minimize such losses. The procedure below has been adapted from the referenced guidance document issued by the Connecticut Department of Environmental Protection (DEP, February 2006).

2. Definitions

2.1. En Core® Sampler: is a disposable volumetric sampling device designed to assist field personnel in taking soil samples with minimal handling and maximum accuracy. (Example Supplier: En Novative Technologies, Inc. Telephone number: 888-411-0757)

2.2. Low Concentration Samples: the specific concentration may vary between laboratories, but generally "low" refers to a concentration below approximately 200 µg/kg.

2.3. High Concentration Soil Samples: the specific concentration may vary between laboratories, but generally "high" refers to any concentration greater than 200 µg/kg.

2.4. Undisturbed samples are those for which the sampling device minimizes break-up of the structure of the soil to the extent practicable. Undisturbed samples can be collected using such techniques as:

- Coring, such as the methods utilizing split-spoon sampling devices, MacroCores ™, and large-bore direct-push samplers;
- Bulk sampling, for example, undisturbed soil volumes collected using a backhoe bucket from sidewalls of trenches and excavations where direct access to the sampling location (sidewall or bottom) is not safe; and
- Direct collection of sub-samples from the subsurface.

3. Equipment

- Electronic field balance accurate to 0.1 grams.
- Water.
- Methanol.
- Sodium bisulfate solution.
- Magnetic stir bar.
- VOA vials (40 ml).
- 20 gram sample container (for percent solids). A different size container may also be suitable.
- En Core®-type Sampler (5, 10 and 25 gr samplers).
- Decontamination solutions, including distilled water, 10 percent methanol, 10 percent nitric acid.
- Clean disposable gloves.
- Re-sealable bags.
- Utility knife.
- Stainless steel spatula or dedicated wood spatula.
- Paper towels.
- Indelible ink marker.
- Field paperwork.
- Chain of custody seals and sample labels.

4. Preliminary Sampling Procedures

4.1. Sample Bottles

4.1.1. It is recommended that a laboratory request form be completed and submitted to the laboratory with the following information:

- Project name.
- LEA commission number.
- Date of submittal and date needed.
- Quantity of sample locations and sample points at each location.
- Type(s) of samples.
- Analytes, detection limits and QA/QC needed.

- Cooler(s) required.
- Number of chain of custody forms requested.

4.1.2. Check bottles against laboratory request form for completeness. The bottles and/or En Core®-type Sampler should also be checked for damage and cleanliness. Confirm with laboratory personnel the adequacy of the preservatives used.

4.1.3. The total number of sample sets shall be increased by 10 percent to allow for possible breakage during transport to sites or other contingencies. At a minimum one additional sample bottle set shall be obtained per event.

4.1.4. Obtain preprinted labels and paperwork through the LEA information management system.

4.1.5. Label/date bottles and/or En Core®-type Sampler in the field prior to sample collection. Check for accuracy.

4.1.6. A cooler should be obtained from the laboratory and adequate ice or cold packs should be provided to ensure that the collected samples remain at 4 degrees Celsius during transport. Packing material should also be obtained to ensure against breakage during transport.

4.2. Site Preparation

4.2.1. A level table shall be placed within the exclusion zone and covered with polyethylene sheeting.

4.2.2. Decontaminated spatulas shall be placed on the table. Sample bottles and En Core®-type Sampler shall be placed in a convenient location and in order of sample collection.

4.2.3. PID and plastic bags shall be placed on the table for VOC screening, if necessary.

4.3. Cleaning and Decontamination

4.3.1. Prior to collecting a soil sample, the LEA representative will ensure that all necessary sampling equipment is clean and decontaminated according to the procedure outlined in Section 4.1.3.3 or according to the site specific work plan if different than below. Disposable equipment does not have to be decontaminated.

4.3.2. Upon completion of all sampling requirements and prior to leaving the site, all equipment used for sampling shall be cleaned and decontaminated according to the procedure outlined in Section 4.2.3 or according to the site specific work plan if different than below. All generated decontamination fluids shall be containerized and disposed of in accordance with the site-specific work plan and all municipal, state, and federal requirements.

4.3.3. The decontamination procedure of durable sampling equipment will be accomplished via swabbing the surfaces with a solvent. The order of decontamination is as follows:

- Detergent swab.
- DI water rinse.
- Hexane rinse (to be used if separate-phase petroleum product, other than gasoline is present).
- DI water rinse.
- 10 percent nitric acid rinse (to be used only when metals are suspected as potential contaminants).
- DI water rinse.
- Methanol rinse (less than 10 percent solution).
- Air dry.

4.4. Personal Protective Equipment

4.4.1. All personal protective equipment (PPE) should be donned and maintained in accordance with the site-specific work plan or health and safety plan during all sampling procedures. In the event that no PPE has been specified for a particular sampling event, disposable latex gloves should be donned, as a minimum, during all sampling procedures. All LEA cardinal rules shall be followed. At a minimum, steel-toe shoes, hard hats, and safety glasses shall be worn at all times, as well as the company-provided vest. Noise protection is required when drilling equipment operate in the vicinity.

4.5. Overview of Sampling Approach

The soil sample collection procedure for determination of VOCs is a two-step process:

Step 1 – Collect an undisturbed soil sample, as defined below, from the subsurface, or expose the targeted area from where a sub-sample for laboratory analysis will be collected,

Step 2 – Collect a representative sub-sample from the undisturbed sample or directly from the exposed subsurface.

4.6. Collection of Undisturbed Samples

When collecting samples for laboratory determination of VOCs, the device used to collect the undisturbed soil sample shall be removed as soon as possible from the subsurface; and most importantly, **the sub-samples that are intended for VOC determination must be collected as soon as possible (ideally within five minutes of collection of the undisturbed sample) to reduce loss of VOCs due to volatilization.** Attempts must be made to further minimize loss of VOCs by managing the sample collection environment (i.e. limiting sun, wind, heat, etc.).

Planning and careful preparation are critical for a successful sampling event. Checklists should be used to ensure that all necessary equipment and supplies are present and in proper working order and that the following conditions are achieved:

- Undisturbed soil to be collected for sub-sampling should be collected in a manner that controls the acquisition of the samples such that they do not "stack up" awaiting logging and sub-sampling;
- Cores should not be stored in small- or large-diameter sampling devices or capped liners (brass, acetate, lexan, polycarbonate etc.);
- Cores should not be exposed to extreme weather conditions, such as direct sunlight, rain and wind, and sub-sample collection should occur in an area that minimizes exposure to the elements (e.g. under cover, shady areas); and
- Undisturbed soil samples cannot be transferred from the core sampler to a secondary container (empty sample bottle, re-sealable bag, aluminum foil, or sampling bowls) for future sample collection.

Leaving samples in core tubes, split-spoons, covered liners, or intermediate containers will lead to VOC losses and will thus yield poor quality data.

To the extent practicable, undisturbed samples should always be collected. However, in some cases, collection of a disturbed sample using a hand auger may be necessary to characterize source areas or other critical locations. If disturbed soil samples must be collected, the rationale for collecting such disturbed samples

must be provided. However, under no circumstances should a sub-sample be collected from a disturbed sample that was previously used for field-screening purposes.

4.7. Collection of the Soil Sub-Sample for Determination of VOCs

Sub-samples are those samples that are submitted to the laboratory for analysis for VOCs. Sub-sampling of the undisturbed soil sample must be performed using a dedicated or decontaminated small-diameter sampler. Sub-samples must be collected as soon as possible from the undisturbed sample (ideally within five minutes) after the undisturbed soil sample is collected.

5. Overview of Sub-Sampling Devices

Sub-sampling of the large-diameter or bulk sampling device for VOCs must be performed with the use of a dedicated or decontaminated small-diameter core sampler. The small-diameter core sampler should fit inside the mouth of the sample container to avoid loss of sample, prevent damage to the sealing surfaces or container threads and ease the soil transfer process.

5.1. Procedure for Obtaining Test Samples to Determine Sub-Sample Volume

The purge and trap laboratory procedure used to determine volatile organic compounds requires approximately equal amounts of soil and liquid to be used in the analysis. If the ratio of soil to liquid is too high, the soil will not be adequately dispersed in the liquid, leading to poor results. If the amount of soil is too low, the detection limits will be increased, potentially rendering the results to be of limited use. It is better to use a slightly lower weight of soil than a higher weight, as the regulatory limits are, in general, significantly higher than the typical laboratory reporting limit for volatile analytes.

The small-diameter core sampler must be able to deliver a minimum of 5 grams of sample ($\approx$ 3 cm^3 of sample, assuming a density of 1.7 g/cm^3) into a 40-ml VOA vial. While most small-diameter core samplers can only be used for sampling and placement into the appropriate sample containers, only the En Core® -type samplers can be used for sampling, storage, and transportation of the sample to the laboratory.

It is important that the small-diameter core sampler provide the required mass of sample material. As such, a test sample (of similar matrix to that being sampled) may be collected and weighed to determine the amount of soil needed to obtain the required mass of sample material for each type of small-diameter core sampler and analytical method.

5.1.1. The procedure for obtaining a test sample is as follows:

5.1.1.1. Using a small electronic portable scale with an accuracy of 0.1 grams, weigh the empty small-diameter core sampler (e.g., disposable syringe) to the nearest 0.1 grams. The scale must be calibrated before use and intermittently checked during the day to ensure accurate weight measurement. Calibration information must be recorded in the field logbook. A translucent cover can be placed over the scale during the weighing process to negate variations caused by wind.

5.1.1.2. Push the small-diameter core sampler test sample into the matrix to collect the required mass of material (3 cm^3 should yield approximately 5 grams of sample [wet weight]).

5.1.1.3. Wipe clean any soil adhering to the outside of the small-diameter core sampler before weighing.

5.1.1.4. If the weight is above the required amount, remove excessive soil by extruding a small portion of the core and cutting it away with a decontaminated trowel or spatula. If the weight is below the weight limit, obtain additional soil by reinserting the small-diameter core sampler into the soil core. Re-weigh after each addition or removal of sample from the small-diameter core sampler until the target weight is attained. Note the sample volume and amount in the small-diameter core sampler.

5.1.1.5. Discard the test sample appropriately.

5.1.1.6. Use the volume of the test sample as a guide in collecting the appropriately sized sub-sample of a similar matrix. **Additional test samples should be weighed whenever a change in the matrix is observed.**

5.2. Overview of Procedure for Collection of Sub-Samples

The goal of soil sampling for the purposes of evaluating concentrations of contaminants in soil is to obtain a representative soil sample in accordance with the data quality objectives for the project. Often, this is accomplished using an appropriate small-diameter core sampler.

Different sample matrices (e.g., sand, gravel, clay, fill) will be encountered and may warrant slightly different sub-sampling field techniques. The goal for all techniques is to collect the sub-sample as quickly as possible while minimizing disruption. Environmental professionals should use good judgment as to how to handle samples that do not fit into the samplers and must describe the rationale for any deviations from this guidance.

The procedure for obtaining soil sub-samples is as follows:

5.2.1. Once the sampling interval has been selected, trim off the exposed surface of the matrix to expose a fresh surface. A loss of VOCs from the surface of the matrix will occur even if the matrix has been exposed for a short period of time (during screening, etc.). Removal of the unwanted surficial material can be accomplished by scraping the matrix surface with a decontaminated spatula or trowel. Soil sampling must commence immediately once a fresh surface has been exposed.

5.2.2. If hand augering, collect the sub-sample directly from the bottom of the hand auger immediately after pulling it from the ground. Do not attempt to remove the soil from the hand auger first. Hand augering may be needed occasionally to establish utility clearance.

5.2.3. Using the test sample as a guide, push the small-diameter core sampler into the matrix to collect a volume of material that will yield the required mass of sample (wet weight) as determined by the analytical method.

5.2.4. Depending upon the texture, depth or moisture content, insert the small-diameter core sampler straight into the matrix, on an angle. Multiple insertions can be made to obtain the required sample weight.

5.2.5. After sample collection, wipe the outside of the small-diameter core sampler to remove any excess material adhering to the barrel.

5.2.6. Immediately open the sample container and extrude the soil core into the sample container that will be submitted to the laboratory. Avoid splashing any preservative, if present, out of the sample container by holding the container at an angle while slowly extruding the soil core into the sample container. Do not immerse the small-diameter core sampler into the preservative. If an En Core®-type sampler is to be used for storage and shipment, prepare the sampler for shipment according to manufacturers instructions.

5.2.7. Collect the required number of sample containers or En Core® -type samplers based on the chosen preservation and analytical methods, as discussed in the subsequent section on soil preservation methods.

5.2.8. Include an additional sample for determination of soil moisture content and sample screening.

5.2.9. Ensure the threads and cap of the sample container or En Core®-type sampler are free of soil particles. Use a clean paper towel to remove soil particles from the threads and sealing surface of the sample container or En Core® -type sampler. The presence of soil particles will compromise the container's seal and may result in loss of preservative or VOCs. This loss ultimately may invalidate the sample analysis. Always make sure the sample lid is firmly secure.

5.2.10. Record the laboratory and field identification numbers in the field notes and on the chain of custody. Record the sample identification information on the sample container using a suitable marker. Container labels with wire or rubber band attachments can be used, provided they can be removed easily for sample weighing. Do not attach any additional adhesive-backed labels or tape to the sample containers unless requested by laboratory or specified in manufacturer instructions. This will increase the weight of the sample container and the laboratory will not be able to determine the sample weight.

5.2.11. After sample collection, immediately return the containers to an iced cooler. Sample containers from different locations should be placed in separate re-sealable bags to help avoid cross-contamination. The laboratory sample number or field sample identification number may be placed on the bag and cross-referenced on the chain of custody. The laboratory performing the analysis will determine the sample weight.

6. Preservation of the Soil Sample

6.1. Overview of the Soil Preservation Procedure

The preservation of samples for VOC analysis can be initiated either at the time of sample collection or in the laboratory. This section deals with the preservation of soil samples in the field using chemical and physical preservation methods.

It is important that the laboratory analytical methods, field preservation methods, appropriate sample containers and sample holding times are determined prior to mobilizing to the field. It is also necessary to consider that additional sample

containers maybe required for various quality control/ quality assurance (QA/QC) samples such as matrix-spike and matrix-spike duplicates (MS/MSD). The number of extra containers required varies by laboratory and analytical procedure.

In addition to the various chemical preservation methods, samples must be physically preserved (e.g. iced or frozen) in the field immediately upon sample collection. It is important to match up the correct physical preservation method with the appropriate sample container and field chemical preservation method. According to USEPA Contract Laboratory Protocol (CLP) Guidance for Field Samplers, the physical preservation methods are described as:

Iced – soil and sample containers are cooled to 4º ± 2ºC.
Frozen – soil and sample containers are cooled to between -7º to -15º C.

Sample containers that will be frozen should be placed on their side prior to freezing process to prevent breakage. Additional aliquots for screening and moisture determination need only be iced and kept cooled at 4º ± 2ºC; these sample containers should not be frozen. ***Sample containers and En Core®-type samplers should not be frozen below -20º C, as the integrity of the container seals, o-rings and septum may be compromised by the freezing, resulting in the loss of VOCs upon thawing of the sample.***

In addition, the use of dry ice to freeze samples immediately upon sample collection or for use during shipment is not recommended. Dry ice, which is at a temperature of -78.5 º C, will lower the temperature of the sample container below the design specifications, causing damage to the glass, septum, seals, o-rings, and cap. In addition, dry ice has specific handling, storage and shipping requirements that outweigh its usefulness to the field sampling team.

6.2. Sub-Soil Sample Collection Procedures

When collecting soil sub-samples for determination of volatile organic compounds, up to four types of samples may be required:

- A high-concentration-level sample (two options)
- A low-concentration-level sample (four options)
- An SPLP/TCLP sample
- A sample for percent solids determination

When the expected VOC concentrations are not known, it is recommended to collect both the high- and low-concentration samples. The analysis procedure should be coordinated with the laboratory. For example, one approach would be to analyze one first (and if needed, the second one).

Additional samples may be necessary for matrix spikes and matrix spike duplicates. Field and trip blanks also may be required.

An overview of the various options for sample collection procedures is attached as
Figure 1.

6.3. High-Concentration Sub-sample Collection Procedures

There are two options for collection of the high-concentrations sample: collection of the sample in a methanol preserved VOA vial or using En Core®-type samplers.

6.3.1. OPTION 1 – High Concentration Sample, Methanol Preservation

Supplies:

- Electronic field balance accurate to 0.1 grams
- Minimum of one VOA vial (40 ml), pre-weighed and containing 5 or 10 ml of methanol
- Sub-sampling device

6.3.1.1. Label the vials as appropriate. Do not add excessive labels (e.g. more weight) to the pre-weighed vials.

6.3.1.2. Weigh the vials to confirm the recorded vial weight.

6.3.1.3. Select the area to be sampled as soon as possible after the soil is exposed.

6.3.1.4. Obtain a test sample, using the coring device and field balance, to determine approximately how much volume of soil will yield equal grams of soil to methanol (5 or 10 ± 1 grams). This step may be skipped when the amount of soil needed for a particular matrix at a site has been determined.

6.3.1.5. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.3.1.6. Rapidly insert the syringe into the soil to obtain the sample. Quickly extrude the sample into the vial containing the methanol. Wipe off the threads and cap; seal the vial.

6.3.1.7. Using the field balance, weigh and record the weight of the vial. A record of the weight must be submitted with the samples to the laboratory.

6.3.1.8. Place sample in cooler with ice.

6.3.1.9. Collect separate sample for percent solids, if necessary.

6.3.2. OPTION 2 - High-Concentration Sample, Using En Core®-Type Samplers

Supplies:

- One 5 or 10-gram En Core®-type Sampler

6.3.2.1. Label the sample as appropriate.

6.3.2.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.3.2.3. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.3.2.4. Rapidly insert the sampler into the soil to obtain the sample. Quickly wipe the contact areas to remove any soil particles, close and seal the device.

6.3.2.5. Place devices in re-sealable pouch, place in cooler on ice.

6.3.2.6. Collect separate sample for percent solids, if necessary.

6.3.2.7. Samples must be frozen, preserved or analyzed within 48 hours of collection.

6.4. Low-Concentration Sub-Sample Collection Procedures

There are four options for collecting low-concentration soil samples:

- Collection in VOA vials containing water.
- Collection in empty VOA vials.
- Collection in VOA vials containing sodium bisulfate.
- Collection using En Core®-type devices.

All of the procedures using VOA vials are essentially the same, except for the media contained in the vial. It should be noted that sodium bisulfate preservation might lead to formation of acetone in samples containing high amount of humic material. Additionally, certain analytes, such as styrene, vinyl chloride, trichloroethylene (TCE), may be decomposed by the bisulfate, leading to low-biased results. Also carbonate rich soils may effervesce. The effervescing will result in significant losses of VOCs, and in such cases the sodium bisulfate cannot be used. Environmental professionals should use caution in using this preservation technique. **For these reasons, the DEP recommends use of the one of the other low-level preservation options. If the sodium bisulfate preservation option is used, the data should be considered in relation to the conceptual site model.**

6.4.1. OPTION 1 - Low-Concentration Sample, Using VOA Vials Containing Water

Supplies:

- Electronic field balance accurate to 0.1 grams.
- 2 VOA vials (40 ml), pre-weighed and containing 5 ml of water and a magnetic stir bar.
- Sub-sampling device.

6.4.1.1. Label the vials as appropriate. Do not add excessive labels (e.g. more weight) to the pre-weighed vials.

6.4.1.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.4.1.3. Obtain a test sample, using the coring device and field balance, to determine approximately how much volume of soil will yield 5 grams of soil. Note that the sample weight should be within 1 gram of the nominal weight, e.g. 5± 1 gram. This step may be skipped when the amount of soil needed for a particular matrix at a site has been determined.

6.4.1.4. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.4.1.5. Rapidly insert the syringe into the soil to obtain the first 5-gram sample. Quickly extrude the sample into one of the two vials containing the water. Wipe off the threads and cap; seal the vial.

6.4.1.6. Repeat steps 6.4.1.4 & 6.4.1.5 for the second vial containing water.

6.4.1.7. Using the field balance, weigh and record the weight of each vial. A record of the weight must be submitted with the samples to the laboratory.

6.4.1.8. Place all samples in cooler with ice.

6.4.1.9. Collect separate sample for percent solids, if necessary.

6.4.1.10. Samples must be frozen or analyzed within 48 hours of collection.

6.4.2. OPTION 2 - Low-Concentration Sample, Collection in Empty VOA Vials

Supplies:

- Electronic field balance accurate to 0.1 grams.
- 2 VOA vials (40 ml), pre-weighed containing a magnetic stir bar.
- Sub-sampling device.

6.4.2.1. Label the vials as appropriate. Do not add excessive labels (e.g. more weight) to the pre-weighed vials.

6.4.2.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.4.2.3. Obtain a test sample using the coring device and field balance, to determine approximately how much volume of soil will yield 5 grams of soil. Note that the sample weight should be within 1 gram of the nominal weight, e.g. 5± 1 gram. This step may be skipped when the amount of soil needed for a particular matrix at a site has been determined.

6.4.2.4. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.4.2.5. Rapidly insert the syringe into the soil to obtain the first 5-gram sample. Quickly extrude the sample into one of the two vials. Wipe off the threads and cap; seal the vial.

6.4.2.6. Repeat steps 6.4.2.4 & 6.4.2.5 for the second vial.

6.4.2.7. Using the field balance, weigh and record the weight of each vial. A record of the weight must be submitted with the samples to the laboratory.

6.4.2.8. Place all samples in cooler with ice.

6.4.2.9. Collect separate sample for percent solids, if necessary.

6.4.2.10. Samples must be frozen or analyzed within 48 hours of collection.

6.4.3. OPTION 3: Low-Concentration Sample, Collection in VOA Vials Containing Sodium Bisulfate

Supplies:

- Electronic field balance accurate to 0.1 grams.
- 2 VOA vials (40 ml), pre-weighed containing 5 ml sodium bisulfate solution and a magnetic stir bar.
- Sub-sampling device.

6.4.3.1. Label the vials as appropriate. Do not add excessive labels (e.g. more weight) to the pre-weighed vials.

6.4.3.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.4.3.3. Obtain a test sample using the coring device and field balance to determine approximately how much volume of soil will yield 5 grams of soil. Note that the sample weight should be within 1 gram of the nominal weight, e.g. 5 ± 1 gram. This step may be skipped when the amount of soil needed for a particular matrix at a site has been determined.

6.4.3.4. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.4.3.5. Rapidly insert the syringe into the soil to obtain the first 5-gram sample. Quickly extrude the sample into one of the two vials containing the bisulfate solution. Wipe off the threads and cap; seal the vial.

6.4.3.6. Repeat steps 6.4.3.4 and 6.4.3.5 for the second vial.

6.4.3.7. Using the field balance, weigh and record the weight of each vial. A record of the weight must be submitted with the samples to the laboratory.

6.4.3.8. Place all samples in cooler with ice.

6.4.3.9. Collect separate sample for percent solids, if necessary.

6.4.4. **OPTION 4 - Low-Concentration Sample, Collection Using En Core®-Type Devices**

Supplies:

- Two 5-gram En Core®-type sampling devices

6.4.4.1. Label the sample as appropriate.

6.4.4.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.4.4.3. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.4.4.4. Rapidly insert the sampler into the soil to obtain the first sample. Quickly wipe the contact areas to remove any soil particles, close and seal the device. Place device in re-sealable pouch

6.4.4.5. Repeat steps 6.4.4.3 and 6.4.4.4 for the second En Core®-type device.

6.4.4.6. Place both devices in re-sealable pouches, place in cooler on ice.

6.4.4.7. Collect separate sample for percent solids, if necessary.

6.4.4.8. Samples must be frozen, preserved or analyzed within 48 hours of collection.

6.5. Collection of Soil Samples for TCLP or SPLP Volatile Organic Analysis

The holding time for soil samples to begin the leaching procedure for TCLP or SPLP extraction for VOC analysis is 14 days from collection. If the environmental professional requests the laboratory to hold the samples until the results of the total (e.g., mass) analysis for VOCs is available, the total analysis

must be available within a time-frame that will permit the environmental professional to give the laboratory sufficient notice to be able to start the SPLP/TCLP leaching within the 14-day holding time.

Supplies:

- 25-gram En Core®-Type Sampler.

6.5.1.1. Label the sampler as appropriate.

6.5.1.2. Select the area to be sampled as soon as possible after the soil is exposed.

6.5.1.3. Scrape away the surface material from the area to be sampled to expose fresh soil.

6.5.1.4. Rapidly insert the sampler into the soil to obtain the sample. Wipe off the threads and cap; seal the sampler.

6.5.1.5. Place sampler in re-sealable pouch and place in cooler with ice.

6.5.1.6. Samples must be frozen or leached within 48 hours of collection.

6.6. Collection of Soil Samples for Percent Solids Determination

A laboratory typically can use any container submitted for analysis to determine the percent solids of a soil, **except a container submitted for VOC analysis.** If the other laboratory analyses, besides volatile organic compounds (either total or TCLP/SPLP volatiles), are to be performed on soil for a given sampling interval and location, a separate container(s) will be needed for the other tests. The percent solids determination can then be performed using the soil in the container(s) for the other tests. In the event that only VOCs are to be determined for a given soil sample, the environmental professional must collect additional sample (no more than 20 grams would be needed) in a separate container for submittal to the laboratory. Typically, a small plastic container would suffice, although any container would do.

7. References

7.1. State of Connecticut, Department of Environmental Protection, *Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds,* Version 2.0, February 28, 2006.

7.2. United States Environmental Protection Agency (EPA), *Behavior and Determination of Volatile Organic Compounds in Soil*, EPA/600/R-93/140, May 1993.

7.3. United States Army Corps of Engineers (USACE), Chemical Preservation of Volatile Organic Compounds in Soil Subsamples, Hewitt, A.D., USACE Special Report 95-5, February 1995.

7.4. Hewitt, A.D. and Lukash, N., USACE, *Obtaining and Transferring Soils for In-Vial Analysis of Volatile Organic Compounds*, USACE Special Report 96-5, February 1996.

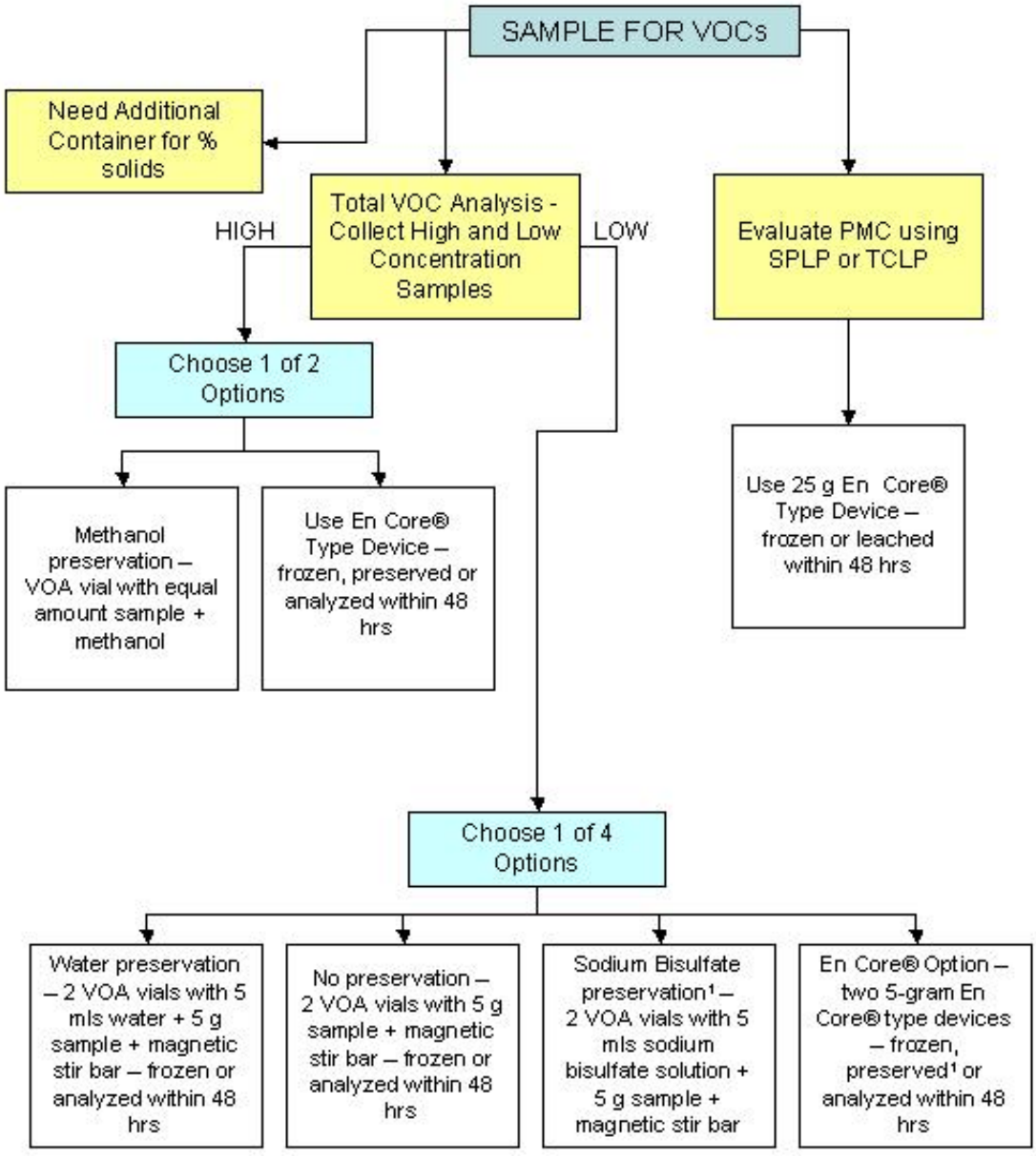
7.5. USACE, *Sample Collection and Preparation Strategies for Volatile Organic Compounds in Solids* (October 1998). http://clu-in.org/download/stats/sampling.pdf.

7.6. Hewitt, A.D., USACE, *Preparing Soil Samples for Volatile Organic Compound Analysis*, USACE Special Report 97-11, April 1997.

7.7. Hewitt, A.D., USACE, *Storage and Preservation of Soil Samples for Volatile Organic Compound Analysis*, USACE Special Report 99-5, May 1999.

7.8. Connecticut Department of Environmental Protection Laboratory Quality Assurance and Quality Control Workgroup, *Rationale for Preservation of Soil and Sediment Samples for Determination of Volatile Organic Compounds*, October 2005, http://www.epoc.org.

Figure 1 – Sample Collection Flow Chart



1. Not appropriate for all circumstances – see Section 4.4 of this document

APPENDIX B

Geologic Boring Logs

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-300
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/26/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287289	69		0"-7": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, Roots and Grass, dry 7"-17": Dark brown fine to medium SAND, little Silt, trace coarse Sand, trace Gravel, dry 17"-23": Crushed weathered Gneiss, dry 23"-28": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry 28"-33": Crushed weatehred Gneiss, dry	105(0.5)
2-	1287290	69			162(0.6)
4-		100		0"-48": Brown to gray fine to medium SAND, trace Silt, trace Gravel, trace coarse Sand, intervals of crushed Gneiss (1"-3" inch in width)	0.3
6-		100		Bottom of Boring at 8'	0.4
8					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-301
LEA Commission Number 18HM301.006		**End Date** 08/26/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287291	71		0"-8": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry, Roots and Grass 29"-34": Brown fine to medium SAND, some Silt, trace coarse Sand, trace Gravel, dry 8"-29": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, trace Brick, trace Asphalt, dry	0.5
2- | | |	1287292	71			0.6
4- | | |		69		0"-15": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry 15"-33": Gray to red brown fine to medium SAND and SILT, trace coarse Sand, trace Gravel, trace Brick, damp	0.4
6- 6.5		69		Bottom of Boring at 6.5'	0.6

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III **LEA Commission Number** 18HM301.006 **Client** Connecticut DECD **Location** Mystic - 240 Oral School Road	**Start Date** 08/26/2013 **End Date** 08/26/2013	**Boring ID** **SB-302**

Drilling Contractor	Loureiro Engineering Associates, Inc.	**Logged by**	Thomas Naughton
Drilling Method	Direct Push	**Drilling Foreman**	Jeremy Corcoran
Sampling Method	Macro Core	**Drill Rig**	Geoprobe 97
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287293	65		0"-3": Brown fine to medium SAND, trace Silt, trace Gravel, trace coarse Sand, Grass and Roots, dry 3"-31": Brown fine to medium SAND, trace Silt, trace Gravel, trace crushed weathered Gneiss, trace coarse Sand, trace Brick, dry	0.4
2- | | |	1287294	65			0.2
4- | 5		42		0"-20": As Above, very loose (cave-in material) 3"-31": ?? Refusal at 5'	0.1

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-303
LEA Commission Number 18HM301.006		**End Date** 08/26/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287295	48		0"-6": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, Grass and Roots 6"-22": Dark brown to black fine to medium SAND, trace Brick, trace Asphalt, trace Ash, trace Wood, dry	0.3
4-	1287296	40		As Above (6"-22") Bottom of Boring at 8'	0.6
8					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-304
LEA Commission Number 18HM301.006		**End Date** 08/26/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287297	44		0"-4": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, Grass and Roots, dry 4"-21": Brown fine to medium SAND, little Silt, trace Gravel, trace Silt, trace Brick, dry	0.8
4-	1287298	42		0"-9": As Above (4"-21") 9"-20": Brown to red, fine to medium SAND, trace Silt, trace coarse Sand, trace Gravel, trace Brick, moist	0.4
6				Refusal at 6'	

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-305
LEA Commission Number 18HM301.006		**End Date** 08/26/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287302	38		0"-3": Grass and Roots 3"-18": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	0.6
4- 8	1287303	31		0"-15": As Above (3"-18")	0.3

Project: CTDECD Mystic 240 Oral School Rd-Ph III
LEA Commission Number 18HM301.006
Client Connecticut DECD
Location Mystic - 240 Oral School Road

Start Date 08/26/2013
End Date 08/26/2013

Boring ID **SB-306**

Drilling Contractor Loureiro Engineering Associates, Inc.
Drilling Method Direct Push
Sampling Method Macro Core
Groundwater Observation
Depth 7.21 **at** **Hours**
Depth **at** **Hours**

Logged by thomas naughton
Drilling Foreman Jeremy Corcoran
Drill Rig Geoprobe 97
Surface Elevation
Latitude
Longitude

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287299	63		0"-2": Grass and Roots 2"-30": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	0.4
2-	1287300	63			0.6
4- V 8	1287301	52		0"-8": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry 8"-20": Brown fine to medium SAND, little Silt, trace Gravel, trace coarse Sand, damp 20"-25": Black fine SAND and SILT, Organic rich, wet (Marsh sediments?) Bottom of Boring at 8'	0.4

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** SB-307
LEA Commission Number 18HM301.006		**End Date** 08/26/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287304	50		0"-3": Grass and Roots 3"-24": Brown fine to medium SAND, trace Gravel, trace coarse Sand, trace Silt, dry	0.6
2-	1287305	50			0.8
4-		73		0"-27": As Above (3"-24") 27"-29": Marsh sediment, black fine SAND and SILT 29-35": Gray fine SAND and SILT, trace coarse Sand, moist	0.9
6-	1287306	73		Bottom of Boring at 8'	1.2
8					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/26/2013	**Boring ID** **SB-308**
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/26/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287307	75		0"-3": Grass and Roots 3"-20": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry 20"-36": Dark brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	0.3
2- | | |	1287308	75			0.8
4- | | 5.8				0"-24": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, trace Brick, dry Bottom of Boring at 5.8'	

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-309
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287309	58		0"-5": Grass and Roots 5"-28": Brown to dark brown fine to medium SAND, trace Gravel, trace coarse Sand, trace Silt, trace Asphalt, trace Brick, moist at 18"	0.6
2-	1287310	58			0.9
4-	1287311	33		0"-6": As Above (5"-28") 6"-16": Fine SAND and SILT, trace medium to coarse Sand, wet, Petroeum-like odor, sheen damp	18.1
6				Bottom of Boring at 6'	

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-310
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287312	54		0"-4": Asphalt 4"-26": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, trace Wood, trace Brick, trace Asphalt, moist at 20"	1.0
2- | | |	1287313	54			0.6
4- | | | 6		6		0"-3": Cave-in material (Asphalt) Bottom of Boring at 6'	NS

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-311
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287314	63		0"-4": Grass and Roots 4"-30": Brown fine to medium SAND, trace coarse Sand, little Silt, trace Asphalt, moist at 25"	0.8
2-	1287315	63			0.6
4-		4		Cave-in Material (4"-30"), very loose Bottom of Boring at 5.5'	0.4
6					

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-312
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** thomas naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth at Hours		**Latitude**	
Depth at Hours		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
. . . .					
4- | | |		85		0"-14": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Brick, trace Asphalt, dry 14"-41": Brown fine to medium SAND, little Silt, moist, trace Gravel	1.9
6- | | |	1287341	85			1.8
8- | | |	1287342	81		0"-20": As Above (14"-41") 20"-35": Brown fine to medium SAND, trace Silt, trace Gravel, trace coarse Sand, wet 35"-39": Crushed Gneiss	1.5
10- | | | 12	1287343	81		Bottom of Boring at 12'	2.0

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-312A
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/27/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287316	48		0"-6": Asphalt 6"-23": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace crushed Gneiss, trace Silt, moist at 19"	0.9
2-	1287317	48			0.8
4-	1287318	21		0"-10": As Above (6"-23") Bottom of Boring at 6'	1.1
6					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-313
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** thomas naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287319, 1287355	73		0"-5": Asphalt 5"-35": Brown to dark brown fine to medium SAND, trace coarse) Sand, trace Gravel, little Silt, trace Coal, moist at 18"	0.8
2- | | |	1287321	73			0.7
4- | | | 6	1287320	21		0"-10": Brown fine to medium SAND and SILT, trace coarse Sand, trace Gravel, trace Asphalt, petroleum-like odor, sheen, damp Bottom of Boring at 6'	24.4

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-314A
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287322, 1287354	75		0"-4": Asphalt 4"-33": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, trace Asphalt, trace Ash, trace Coal, dry 33"-36": Dark brown fine to medium SAND, trace coarse Sand, trace Coal, dry	1.2
2-	1287323	75			1.3
4-	1287324	23		0"-7": As Above (4"-33") 7"-11": Brown fine to medium SAND, little Silt, trace coarse Sand, trace Gravel, damp Bottom of Boring at 6'	1.3
6					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-315A
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/27/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287360	81		0"-4": Asphalt 4"-11": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, trace Brick, dry 11"-39": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	1.3
2-	1287361	81			1.2
4-	1287362	58		0"-4": Cave in material 4"-28": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, dry Bottom of Boring at 6'	0.9
6					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-316A
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287363	58		0"-5": Asphalt 5"-28": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	1.0
2-	1287364	58			1.0
4-	1287365	48		0"-4": Cave in Material 4"-23": As Above (5"-23") Bottom of Boring at 6'	1.1
6					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-317
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287403	71		0"-4": Asphalt 4"-30": Brown fine to medium SAND, trace coarse Sand, little Silt, trace Gravel, dry, trace Asphalt, trace Brick 30"-34": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, dry	2.2
2-	1287404	71			2.1
4-	1287405	88		0"-42": As Above (30"-34"), moist at 30"	1.7
6-	1287329	88		Bottom of Boring at 8'	1.9
8					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** **SB-318**
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/28/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Andrew Clarke	
Sampling Method Macro Core		**Drill Rig** 6610DT	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287330	60		0"-7": Asphalt 7"-29": Brown fine to medium SAND, trace Silt, trace coarse Sand, dry	0.5
2-	1287331	60			0.4
4-	1287332	90		0"-10": As Above (7"-29") 10"-43": Brown fine to medium SAND, trace Gravel, trace Silt, trace coarse Sand, moist at 28"	1.9
6- 8	1287333	90		Bottom of Boring at 8'	1.5

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** **SB-319**
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/28/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-		67		0"-4": Roots and Grass 4"-25": Dark brown fine to medium SAND, trace coarse Sand, trace Gravel, little Silt, trace Asphalt, dry 25"-32": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, dry	1.8
2-		67			1.0
4-		100		0"-9": Brown fine SAND and SILT, trace medium to coarse Sand, dry 9"-26": Light brown fine to medium SAND, trace coarse Sand, trace Silt, dry 26"-48": Gray to brown fine to medium SAND, trace Gravel, trace Silt, trace coarse Sand, moist at 31"	1.7
6-		100			2.0
8-		38		0"-14": As Above (26"-48"), moist 14"-18": Crushed Gneiss	1.6
9.5				Refusal at 9.5'	

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-320
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-		75		0"-4": Asphalt 4"-30": Light brown fine to medium SAND, little coarse Sand, trace Silt, trace Asphalt at 16", dry 30"-36": Brown fine SAND and SILT, trace coarse Sand, trace medium Sand, dry	1.0
2-		75			0.9
4-		100		0"-48": Brown to grrey fine to medium SAND, trace Silt, trace Gravel, trace coarse Sand, moist at 34"	1.3
6- 7.5		100		Bottom of Boring at 7.5'	1.1

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-321
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/28/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-		71		0"-6": Asphalt 6"-30": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, dry 30"-36": Gray brown fine to medium SAND, trace coarse Sand, trace Gravel, dry	1.1
2-		71			1.8
4- 4.08		19		0"-9": As Above (30"-36") Bottom of Boring at 4.08'	0.9

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-322
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287335	60		0"-7": Asphalt 7"-29": Brown fine to medium SAND, trace coarse Sand, trace Silt, dry, saturated at 7"-12", sheen, petroleum-like odor	1.6
2- | | |	1287336	60			1.2
4- | | | 6	1287337	33		0"-16": Gray brown fine to medium SAND, trace coarse Sand, trace Silt, damp Bottom of Boring at 6'	1.0

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-323
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-		73		0"-4": Grass and Roots 4"-35": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	1.1
2-		73			1.3
4-		25		0"-12": As Above (4"-35")	0.9
6-		25		Bottom of Boring at 7.53'	1.7
7.53					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-324
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287374	71		0"-4": Asphalt 4"-34": Brown fine to medium SAND, little Silt, trace coarse Sand, trace Gravel, dry	0.5
2-	1287375	71			0.4
4-	1287385	46		0"-22": As Above (4"-34") Bottom of Boring at 6'	0.6
6					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-325
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/28/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287400	67		0"-5": Asphalt 5"-32": Brown fine to medium SAND, little Silt, trace coarse Sand, trace Gravel, dry, damp at 25"	3.5
2-	1287401	67			40.2
4-	1287402	38		0"-18": As Above (5"-32") Bottom of Boring at 5.52'	9.0
5.52					

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-326
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287366	63		0"-3": Roots and Grass 3"-22": Brown fine to medium SAND, trace Gravel, trace coarse Sand, trace Silt, trace Concrete, trace Coal, dry 22"-30": Light brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry	0.9
2- | | | 4	1287367	63		Bottom of Boring at 4'	1.1

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III **LEA Commission Number** 18HM301.006 **Client** Connecticut DECD **Location** Mystic - 240 Oral School Road	**Start Date** 08/27/2013 **End Date** 08/27/2013	**Boring ID** **SB-327**

Drilling Contractor	Loureiro Engineering Associates, Inc.	**Logged by**	Thomas Naughton
Drilling Method	Direct Push	**Drilling Foreman**	Jeremy Corcoran
Sampling Method	Macro Core	**Drill Rig**	Geoprobe 97
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287368	83		0"-4": Roots and Grass 4"-40": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, trace Coal, trace crushed Dolomite, dry	1.1
2- | | | 4	1287369	83		Bottom of Boring at 4'	0.9

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-328
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287370	60		0"-3": Grass and Roots 3"-29": Brown fine to medium SAND, trace coarse Sand, little Silt, trace Gravel, dry	0.
2-	1287371	60		Bottom of Boring at 4'	
4					

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/29/2013	**Boring ID** SB-329
LEA Commission Number 18HM301.006		**End Date** 08/29/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** thomas naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287408	NA		Dark brown fine to medium SAND, little Silt, trace coarse Sand, trace Organic material, trace Gravel, dry	1.7
2- | 3	1287409	NA		Brown fine to medium SAND, trace Silt, trace coarse Sand, trace Gravel, dry Refusal at 3'	1.3

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/27/2013	**Boring ID** SB-330
LEA Commission Number 18HM301.006		**End Date** 08/27/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287372	81		0"-4": Grass and Roots 4"-32": Brown fine to medium SAND, trace coarse Sand, trace Gravel, trace Silt, dry 32"-39": Brown fine SAND and SILT, trace coarse Sand, damp	0.8
2- | | | 4	1287373	81		Bottom of Boring at 4'	1.1

Project: CTDECD Mystic 240 Oral School Rd-Ph III **LEA Commission Number** 18HM301.006 **Client** Connecticut DECD **Location** Mystic - 240 Oral School Road	**Start Date** 08/29/2013 **End Date** 08/29/2013	**Boring ID** **SB-331**

Drilling Contractor	Loureiro Engineering Associates, Inc.	**Logged by**	thomas naughton
Drilling Method	Hand Auger	**Drilling Foreman**	Jeremy Corcoran
Sampling Method	Grab	**Drill Rig**	Hand Auger
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287410	100		Dark brown fine to medium SAND, little Silt, trace coarse Sand, trace Gravel, trace Organic matter, dry	1.9
2- | | | 4	1287411	NA		Brown fine to medium SAND, trace Silt, trace Gravel, trace coarse Sand Bottom of Boring at 4'	2.1

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/28/2013	**Boring ID** SB-332
LEA Commission Number 18HM301.006		**End Date** 08/28/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287338	75		0"-7": Asphalt 7"-36": Brown fine to medium SAND, trace coarse Sand, trace Silt, trace Gravel, dry, damp at 32", trace Coal, trace Brick	1.3
2-	1287339	75			2.2
4-	1287340	46		0"-8"L Cave in material, loose, dry 8"-22": Brown fine to medium SAND, little Silt, trace Gravel, trace trace coarse Sand, moist, trace Coal, trace Brick	2.4
6				Bottom of Boring at 6'	

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph I
LEA Commission Number 18HM301.001
Client Connecticut DECD
Location Mystic - 240 Oral School Road

Start Date 08/30/2013
End Date 08/30/2013

Boring ID
SB-333

Drilling Contractor Loureiro Engineering Associates, Inc.
Drilling Method Direct Push
Sampling Method 4' Macro
Groundwater Observation
Depth **at** **Hours**
Depth **at** **Hours**

Logged by Thomas Naughton
Drilling Foreman Jeremy Corcoran
Drill Rig Geoprobe 97
Surface Elevation
Latitude
Longitude

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-	1287447	58		0"-6": Asphalt 6"-28": Brown to light brown fine to medium SAND, trace Gravel, little Silt, trace crushed Stone, trace Brick, trace Asphalt, damp	1.5
2-	1287448	58			1.4
4-	1287449	50		0"-16": Brown fine to medium SAND, trace Gravel, trace Silt, trace Brick, moist 16"-24": Brown fine to medium SAND and SILT, trace Gravel, trace coarse Sand, wet	1.4
6- 8	1287450	50		Bottom of Boring at 8'	0.9

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/30/2013	**Boring ID** SB-339
LEA Commission Number 18HM301.006		**End Date** 08/30/2013	
Client Connecticut DECD			
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method 4' Macro		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | |	1287455, 1287451	81		0"-3": Grass and Roots 3"-6": Dark brown fine to medium SAND, little Silt, trace Gravel, trace coarse Sand, dry 6"-31": Brown fine to medium SAND, trace coarse Sand, trace Coal, dry 31"-39": Light brown fine SAND, trace Silt, dry	1.0
2- | | |	1287452	81			1.2
4- | | |	1287453	95		1"-6": Cave in material (6"-31" above) 6"-22": Fine SAND, trace Silt, dry 22"-36": Gray brown fine to medium SAND, trace Slit, trace Gravel, trace coarse Sand, moist	1.3
6- | | | 8	1287454	95		Bottom of Boring at 6'	1.2

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III **LEA Commission Number** 18HM301.006 **Client** Connecticut DECD **Location** Mystic - 240 Oral School Road	**Start Date** 08/29/2013 **End Date** 08/29/2013	**Boring ID** **SB-351**

Drilling Contractor	Loureiro Engineering Associates, Inc.	**Logged by**	Thomas Naughton
Drilling Method	Hand Auger	**Drilling Foreman**	Jeremy Corcoran
Sampling Method	Grab	**Drill Rig**	Hand Auger
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0- | | 1.5	1287325	100		Brown fine to medium SAND, trace coarse Sand, trace Brick, trace Gravel, trace Silt, moist Refusal at 1.5' Bottom of Boring at 1.5'	0.4

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/29/2013	**Boring ID** SB-352
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/29/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Direct Push		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Macro Core		**Drill Rig** Geoprobe 97	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-0.66	1287326	NA		Red brown fine to medium SAND, trace coarse (-) Sand, trace Silt, trace Gravel, wet Refusal at 0.66'	1.1

GEOLOGIC BORING LOG

Project: CTDECD Mystic 240 Oral School Rd-Ph III		**Start Date** 08/29/2013	**Boring ID** SB-353
LEA Commission Number 18HM301.006			
Client Connecticut DECD		**End Date** 08/29/2013	
Location Mystic - 240 Oral School Road			
Drilling Contractor Loureiro Engineering Associates, Inc.		**Logged by** Thomas Naughton	
Drilling Method Hand Auger		**Drilling Foreman** Jeremy Corcoran	
Sampling Method Grab		**Drill Rig** Hand Auger	
Groundwater Observation		**Surface Elevation**	
Depth **at** **Hours**		**Latitude**	
Depth **at** **Hours**		**Longitude**	

Depth	Sample Information			Soil Description	PID/FID ppm
	Sample No.	Recovery (%)	Blows /6"	Color, Primary Grain Size, Secondary Grain Sizes, Moisture, Sorting, Sphericity, Angularity, Sedimentary Structure, Density, Cohesiveness, Other	
0-0.66	1287327	100		Black COAL and Coal ASH, dry Refusal at 0.66'	0.6

APPENDIX C

Laboratory Analytical Reports

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 4, 2013

Darby Hittle
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: Oral School Road, Mystic, CT
Client Job Number:
Project Number: 18HM301.006
Laboratory Work Order Number: 13H1007

Enclosed are results of analyses for samples received by the laboratory on August 26, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Darby Hittle

REPORT DATE: 9/4/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1007

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287289	13H1007-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287290	13H1007-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287291	13H1007-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287292	13H1007-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287293	13H1007-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287294	13H1007-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287295	13H1007-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287297	13H1007-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287299	13H1007-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287300	13H1007-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287301	13H1007-13	Soil		SM 2540G	
				SW-846 8081B	

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Darby Hittle

REPORT DATE: 9/4/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1007

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287302	13H1007-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287304	13H1007-16	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287305	13H1007-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287306	13H1007-18	Soil		SM 2540G	
				SW-846 8081B	
1287307	13H1007-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287308	13H1007-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287358	13H1007-21	Soil		SW-846 8260C	

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

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, only RCRA 8 metals, Cu, Ni and Zn were requested and reported.

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

CTDEP ETPH

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:

CT ETPH

13H1007-03[1287291], B079698-MS1, B079698-MSD1

SW-846 8081B

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

4,4'-DDD, 4,4'-DDD [2C]

13H1007-13RE1[1287301]

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:

4,4'-DDD, 4,4'-DDD [2C], 4,4'-DDT, 4,4'-DDT [2C], delta-BHC, delta-BHC [2C]

13H1007-18RE1[1287306], 13H1007-13RE1[1287301]

Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

4,4'-DDE, Aldrin, alpha-BHC, Dieldrin, Endosulfan I, Endosulfan II, Endrin, gamma-BHC (Lindane)

13H1007-13RE1[1287301], 13H1007-18RE1[1287306]

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample 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.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)

B079827-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Acetone, Dichlorodifluoromethane (Freon 12), Methylene Chloride

13H1007-07[1287295], 13H1007-09[1287297], 13H1007-14[1287302], 13H1007-21[1287358], B079827-BLK1, B079827-BS1, B079827-MS1

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane

13H1007-07[1287295], B079827-MS1

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:

Dichlorodifluoromethane (Freon 12), Methylene Chloride

13H1007-07[1287295], B079827-MS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Methylene Chloride

13H1007-07[1287295], 13H1007-09[1287297], 13H1007-14[1287302], 13H1007-21[1287358], B079827-BLK1, B079827-BS1, B079827-MS1

SW-846 8270D

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:

3/4-Methylphenol

B079707-BS1, B079707-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13H1007-01[1287289], 13H1007-02[1287290], 13H1007-03[1287291], 13H1007-04[1287292], 13H1007-05[1287293], 13H1007-06[1287294], 13H1007-07[1287295], 13H1007-09[1287297], 13H1007-11[1287299], 13H1007-12[1287300], 13H1007-14[1287302], 13H1007-16[1287304], 13H1007-17[1287305], 13H1007-19[1287307], 13H1007-20[1287308], B079707-BLK1, B079707-BS1, B079707-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, 4,6-Dinitro-2-methylphenol

13H1007-02[1287290], 13H1007-11[1287299], 13H1007-12[1287300], B079707-BLK1, B079707-BS1, B079707-BSD1, 13H1007-01[1287289], 13H1007-04[1287292], 13H1007-06[1287294], 13H1007-07[1287295], 13H1007-09[1287297], 13H1007-14[1287302], 13H1007-16[1287304], 13H1007-17[1287305], 13H1007-19[1287307], 13H1007-20[1287308]

SW-846 8270D

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287289 | Sampled: 8/26/2013 11:10

Sample ID: 13H1007-01

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 8270D	8/28/13	9/3/13 11:23	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Chloro-3-methylphenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287289 | Sampled: 8/26/2013 11:10

Sample ID: 13H1007-01

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	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:23	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	74.0	30-130		9/3/13 11:23
Phenol-d6	75.9	30-130		9/3/13 11:23
Nitrobenzene-d5	75.2	30-130		9/3/13 11:23
2-Fluorobiphenyl	78.4	30-130		9/3/13 11:23
2,4,6-Tribromophenol	83.6	30-130		9/3/13 11:23
p-Terphenyl-d14	102	30-130		9/3/13 11:23

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

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287289 Sampled: 8/26/2013 11:10

Sample ID: 13H1007-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	62	11	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 17:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	57.5	50-150		8/28/13 17:13

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287289 | Sampled: 8/26/2013 11:10

Sample ID: 13H1007-01

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	91.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287290 | Sampled: 8/26/2013 11:12

Sample ID: 13H1007-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287290 | Sampled: 8/26/2013 11:12

Sample ID: 13H1007-02

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	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 14:45	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	88.0	30-130		8/30/13 14:45
Phenol-d6	84.1	30-130		8/30/13 14:45
Nitrobenzene-d5	87.2	30-130		8/30/13 14:45
2-Fluorobiphenyl	86.0	30-130		8/30/13 14:45
2,4,6-Tribromophenol	107	30-130		8/30/13 14:45
p-Terphenyl-d14	93.2	30-130		8/30/13 14:45

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287290 | Sampled: 8/26/2013 11:12

Sample ID: 13H1007-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	18	11	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 17:31	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	59.7	50-150		8/28/13 17:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287290 Sampled: 8/26/2013 11:12

Sample ID: 13H1007-02

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	89.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287291 | Sampled: 8/26/2013 11:50

Sample ID: 13H1007-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Chloroaniline	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Chloro-3-methylphenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4-Dinitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Di-n-octylphthalate	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287291 | Sampled: 8/26/2013 11:50

Sample ID: 13H1007-03

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	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
4-Nitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:05	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	74.1	30-130		8/30/13 18:05
Phenol-d6	78.2	30-130		8/30/13 18:05
Nitrobenzene-d5	67.0	30-130		8/30/13 18:05
2-Fluorobiphenyl	88.4	30-130		8/30/13 18:05
2,4,6-Tribromophenol	57.8	30-130		8/30/13 18:05
p-Terphenyl-d14	49.0	30-130		8/30/13 18:05

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287291 | Sampled: 8/26/2013 11:50

Sample ID: 13H1007-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	47	11	mg/Kg dry	1	MS-09	CTDEP ETPH	8/27/13	8/28/13 17:49	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	57.5	50-150		8/28/13 17:49

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287291 | Sampled: 8/26/2013 11:50

Sample ID: 13H1007-03

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	94.6		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287292 | Sampled: 8/26/2013 11:55

Sample ID: 13H1007-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Aniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Chloroaniline	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Chloro-3-methylphenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4-Dinitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Di-n-octylphthalate	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287292 | Sampled: 8/26/2013 11:55

Sample ID: 13H1007-04

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	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
4-Nitrophenol	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:27	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	76.6	30-130		9/3/13 14:27
Phenol-d6	76.6	30-130		9/3/13 14:27
Nitrobenzene-d5	84.7	30-130		9/3/13 14:27
2-Fluorobiphenyl	79.3	30-130		9/3/13 14:27
2,4,6-Tribromophenol	91.4	30-130		9/3/13 14:27
p-Terphenyl-d14	92.5	30-130		9/3/13 14:27

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287292 | Sampled: 8/26/2013 11:55

Sample ID: 13H1007-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	21	12	mg/Kg dry	1		CTDEP ETPH	8/29/13	8/30/13 9:34	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	73.6	50-150					8/30/13 9:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287292 Sampled: 8/26/2013 11:55

Sample ID: 13H1007-04

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	82.6		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287293 | Sampled: 8/26/2013 12:15

Sample ID: 13H1007-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Aniline	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Bromophenylphenylether	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Butylbenzylphthalate	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Chloroaniline	ND	0.67	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Chloro-3-methylphenol	ND	0.67	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2-Chloronaphthalene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2-Chlorophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Chlorophenylphenylether	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Dibenzofuran	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Di-n-butylphthalate	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4-Dichlorophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Diethylphthalate	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4-Dimethylphenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Dimethylphthalate	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4-Dinitrophenol	ND	0.67	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4-Dinitrotoluene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,6-Dinitrotoluene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Di-n-octylphthalate	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Hexachlorobenzene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Hexachlorobutadiene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Hexachlorocyclopentadiene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Hexachloroethane	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Isophorone	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287293 | Sampled: 8/26/2013 12:15

Sample ID: 13H1007-05

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	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
3/4-Methylphenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2-Nitroaniline	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
3-Nitroaniline	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Nitroaniline	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Nitrobenzene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2-Nitrophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
4-Nitrophenol	ND	0.67	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
N-Nitrosodiphenylamine	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Pentachloronitrobenzene	ND	0.34	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Pentachlorophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Phenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
Pyridine	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4,5-Trichlorophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT
2,4,6-Trichlorophenol	ND	0.34	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:39	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	75.0	30-130		8/30/13 18:39
Phenol-d6	73.7	30-130		8/30/13 18:39
Nitrobenzene-d5	68.9	30-130		8/30/13 18:39
2-Fluorobiphenyl	90.7	30-130		8/30/13 18:39
2,4,6-Tribromophenol	58.3	30-130		8/30/13 18:39
p-Terphenyl-d14	60.5	30-130		8/30/13 18:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287293 Sampled: 8/26/2013 12:15

Sample ID: 13H1007-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	62	10	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 19:01	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	64.6	50-150		8/28/13 19:01

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287293 | Sampled: 8/26/2013 12:15

Sample ID: 13H1007-05

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	97.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287294 | Sampled: 8/26/2013 12:20

Sample ID: 13H1007-06

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 8270D	8/28/13	9/3/13 12:55	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Chloro-3-methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Di-n-octylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Fluoranthene	0.21	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287294 | Sampled: 8/26/2013 12:20

Sample ID: 13H1007-06

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Pyrene	0.29	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 12:55	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	73.7	30-130		9/3/13 12:55
Phenol-d6	73.1	30-130		9/3/13 12:55
Nitrobenzene-d5	79.3	30-130		9/3/13 12:55
2-Fluorobiphenyl	76.2	30-130		9/3/13 12:55
2,4,6-Tribromophenol	86.7	30-130		9/3/13 12:55
p-Terphenyl-d14	103	30-130		9/3/13 12:55

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287294 | Sampled: 8/26/2013 12:20

Sample ID: 13H1007-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	47	11	mg/Kg dry	1		CTDEP ETPH	8/29/13	8/30/13 9:52	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	67.1	50-150					8/30/13 9:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287294 | Sampled: 8/26/2013 12:20

Sample ID: 13H1007-06

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	85.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 | Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.056	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Acrylonitrile	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Benzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Bromobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Bromodichloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Bromoform	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Bromomethane	ND	0.0056	mg/Kg dry	1	MS-07	SW-846 8260C	8/29/13	8/29/13 8:19	MFF
2-Butanone (MEK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
n-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
sec-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
tert-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Carbon Disulfide	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Carbon Tetrachloride	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Chlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Chlorodibromomethane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Chloroethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Chloroform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Chloromethane	ND	0.0056	mg/Kg dry	1	MS-07	SW-846 8260C	8/29/13	8/29/13 8:19	MFF
2-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
4-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Dibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,3-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,4-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	mg/Kg dry	1	L-03, MS-08	SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
cis-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
trans-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,3-Dichloropropane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
2,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
cis-1,3-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
trans-1,3-Dichloropropene	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Ethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Hexachlorobutadiene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
2-Hexanone (MBK)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Isopropylbenzene (Cumene)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 | Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Methylene Chloride	ND	0.011	mg/Kg dry	1	L-03, MS-08, V-05	SW-846 8260C	8/29/13	8/29/13 8:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Naphthalene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
n-Propylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Styrene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Tetrachloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Tetrahydrofuran	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Toluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2,3-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2,4-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1,1-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1,2-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Trichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2,3-Trichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,2,4-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
1,3,5-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
Vinyl Chloride	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
m+p Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF
o-Xylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		8/29/13 8:19
Toluene-d8	97.5	70-130		8/29/13 8:19
4-Bromofluorobenzene	81.4	70-130		8/29/13 8:19

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 | Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 | Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

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	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 11:54	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	58.6	30-130		9/3/13 11:54
Phenol-d6	59.7	30-130		9/3/13 11:54
Nitrobenzene-d5	60.4	30-130		9/3/13 11:54
2-Fluorobiphenyl	64.3	30-130		9/3/13 11:54
2,4,6-Tribromophenol	63.6	30-130		9/3/13 11:54
p-Terphenyl-d14	76.7	30-130		9/3/13 11:54

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

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	100	11	mg/Kg dry	1		CTDEP ETPH	8/29/13	8/30/13 10:10	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	60.7	50-150		8/30/13 10:10

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

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	11	2.6	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Barium	45	2.6	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Cadmium	0.41	0.26	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Chromium	11	0.51	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Copper	21	0.51	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Lead	41	0.77	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Mercury	0.32	0.027	mg/Kg dry	1		SW-846 7471B	8/27/13	8/28/13 14:37	SAJ
Nickel	7.0	0.51	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Silver	ND	0.51	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH
Zinc	44	1.0	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:12	KSH

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287295 Sampled: 8/26/2013 12:38

Sample ID: 13H1007-07

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	91.4		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 | Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.066	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
n-Butylbenzene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Carbon Tetrachloride	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Chlorodibromomethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
cis-1,3-Dichloropropene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
trans-1,3-Dichloropropene	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Hexachlorobutadiene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 | Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 7:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		8/29/13 7:53
Toluene-d8	98.0	70-130		8/29/13 7:53
4-Bromofluorobenzene	86.8	70-130		8/29/13 7:53

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 | Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

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 8270D	8/28/13	9/3/13 16:29	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Benzo(a)anthracene	0.72	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Benzo(a)pyrene	0.65	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Benzo(b)fluoranthene	0.80	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Benzo(g,h,i)perylene	0.28	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Benzo(k)fluoranthene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Chrysene	0.83	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Indeno(1,2,3-cd)pyrene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 | Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

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 8270D	8/28/13	9/3/13 16:29	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Phenanthrene	0.40	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:29	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	64.3	30-130		9/3/13 16:29
Phenol-d6	61.0	30-130		9/3/13 16:29
Nitrobenzene-d5	70.2	30-130		9/3/13 16:29
2-Fluorobiphenyl	67.0	30-130		9/3/13 16:29
2,4,6-Tribromophenol	75.7	30-130		9/3/13 16:29
p-Terphenyl-d14	80.9	30-130		9/3/13 16:29

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	190	56	mg/Kg dry	5		CTDEP ETPH	8/27/13	8/30/13 11:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	76.6	50-150		8/30/13 11:03

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Barium	71	2.8	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Chromium	13	0.56	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Copper	8.8	0.56	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Lead	74	0.83	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Mercury	0.044	0.028	mg/Kg dry	1		SW-846 7471B	8/27/13	8/28/13 14:39	SAJ
Nickel	6.5	0.56	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH
Zinc	110	1.1	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:16	KSH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287297 | Sampled: 8/26/2013 13:15

Sample ID: 13H1007-09

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	88.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287299 | Sampled: 8/26/2013 14:10

Sample ID: 13H1007-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Chloroaniline	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Chloro-3-methylphenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4-Dinitrophenol	ND	0.68	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Di-n-octylphthalate	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287299 | Sampled: 8/26/2013 14:10

Sample ID: 13H1007-11

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	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
4-Nitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	78.4	30-130		9/3/13 14:00
Phenol-d6	78.7	30-130		9/3/13 14:00
Nitrobenzene-d5	78.0	30-130		9/3/13 14:00
2-Fluorobiphenyl	80.5	30-130		9/3/13 14:00
2,4,6-Tribromophenol	101	30-130		9/3/13 14:00
p-Terphenyl-d14	95.8	30-130		9/3/13 14:00

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287299 | Sampled: 8/26/2013 14:10

Sample ID: 13H1007-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	47	10	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 19:55	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.4	50-150		8/28/13 19:55

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287299 | Sampled: 8/26/2013 14:10

Sample ID: 13H1007-11

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	97.2		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287300 | Sampled: 8/26/2013 14:15

Sample ID: 13H1007-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Chloroaniline	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Chloro-3-methylphenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4-Dinitrophenol	ND	0.68	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Di-n-octylphthalate	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287300 | Sampled: 8/26/2013 14:15

Sample ID: 13H1007-12

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	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
4-Nitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:21	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	79.5	30-130		8/30/13 15:21
Phenol-d6	76.0	30-130		8/30/13 15:21
Nitrobenzene-d5	80.0	30-130		8/30/13 15:21
2-Fluorobiphenyl	79.8	30-130		8/30/13 15:21
2,4,6-Tribromophenol	91.1	30-130		8/30/13 15:21
p-Terphenyl-d14	82.9	30-130		8/30/13 15:21

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287300 Sampled: 8/26/2013 14:15

Sample ID: 13H1007-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	17	10	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 20:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	67.9	50-150		8/28/13 20:13

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287300 Sampled: 8/26/2013 14:15

Sample ID: 13H1007-12

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	97.5		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287301 | Sampled: 8/26/2013 14:25

Sample ID: 13H1007-13

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.035	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Aldrin [1]	ND	0.0088	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
alpha-BHC [1]	ND	0.0088	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
beta-BHC [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
delta-BHC [1]	ND	0.0088	mg/Kg dry	1	V-20	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
gamma-BHC (Lindane) [1]	ND	0.0035	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Chlordane [1]	ND	0.035	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
4,4'-DDD [2]	0.020	0.0071	mg/Kg dry	1	V-06	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
4,4'-DDE [1]	ND	0.0071	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
4,4'-DDT [1]	ND	0.0071	mg/Kg dry	1	V-20	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Dieldrin [1]	ND	0.0071	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Endosulfan I [1]	ND	0.0088	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Endosulfan II [1]	ND	0.014	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Endosulfan sulfate [1]	ND	0.014	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Endrin [1]	ND	0.014	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Endrin aldehyde [1]	ND	0.014	mg/Kg dry	1		SW-846 8081B	8/26/13	8/27/13 19:57	JMB
Endrin ketone [1]	ND	0.014	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Heptachlor [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Heptachlor epoxide [1]	ND	0.0088	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Hexachlorobenzene [1]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Methoxychlor [1]	ND	0.088	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB
Toxaphene [1]	ND	0.18	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.1	30-150		8/29/13 2:11
Decachlorobiphenyl [2]	95.7	30-150		8/29/13 2:11
Tetrachloro-m-xylene [1]	80.4	30-150		8/29/13 2:11
Tetrachloro-m-xylene [2]	86.7	30-150		8/29/13 2:11

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287301 | Sampled: 8/26/2013 14:25

Sample ID: 13H1007-13

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	56.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 | Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

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	L-03	SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Acrylonitrile	ND	0.0048	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
2-Butanone (MEK)	ND	0.032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
n-Butylbenzene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Carbon Disulfide	ND	0.0048	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Carbon Tetrachloride	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Chloroform	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1-Dichloroethylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
cis-1,3-Dichloropropene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
trans-1,3-Dichloropropene	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Hexachlorobutadiene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 | Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 10:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Naphthalene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
m+p Xylene	ND	0.0032	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:07	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		8/29/13 10:07
Toluene-d8	97.6	70-130		8/29/13 10:07
4-Bromofluorobenzene	84.4	70-130		8/29/13 10:07

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

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 8270D	8/28/13	9/3/13 13:25	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Benzo(a)anthracene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Benzo(a)pyrene	0.72	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Benzo(b)fluoranthene	0.92	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Benzo(g,h,i)perylene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Benzo(k)fluoranthene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Chrysene	0.95	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Fluoranthene	1.4	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Indeno(1,2,3-cd)pyrene	0.41	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 | Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

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 8270D	8/28/13	9/3/13 13:25	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Phenanthrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Pyrene	2.2	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:25	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.9	30-130		9/3/13 13:25
Phenol-d6	76.0	30-130		9/3/13 13:25
Nitrobenzene-d5	75.9	30-130		9/3/13 13:25
2-Fluorobiphenyl	73.3	30-130		9/3/13 13:25
2,4,6-Tribromophenol	78.4	30-130		9/3/13 13:25
p-Terphenyl-d14	103	30-130		9/3/13 13:25

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	110	11	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 20:30	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	65.2	50-150		8/28/13 20:30

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.7	2.7	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Barium	110	2.7	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Chromium	19	0.54	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Copper	14	0.54	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Lead	30	0.80	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Mercury	0.087	0.027	mg/Kg dry	1		SW-846 7471B	8/27/13	8/28/13 14:40	SAJ
Nickel	8.0	0.54	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH
Zinc	44	1.1	mg/Kg dry	1		SW-846 6010C	8/27/13	8/28/13 13:20	KSH

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287302 Sampled: 8/26/2013 14:44

Sample ID: 13H1007-14

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	88.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287304 | Sampled: 8/26/2013 15:05

Sample ID: 13H1007-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Chloroaniline	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Chloro-3-methylphenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4-Dinitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Di-n-octylphthalate	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287304 | Sampled: 8/26/2013 15:05

Sample ID: 13H1007-16

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	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
4-Nitrophenol	ND	0.68	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	69.6	30-130		9/3/13 15:28
Phenol-d6	70.5	30-130		9/3/13 15:28
Nitrobenzene-d5	77.6	30-130		9/3/13 15:28
2-Fluorobiphenyl	74.6	30-130		9/3/13 15:28
2,4,6-Tribromophenol	79.7	30-130		9/3/13 15:28
p-Terphenyl-d14	91.4	30-130		9/3/13 15:28

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287304 | Sampled: 8/26/2013 15:05

Sample ID: 13H1007-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	39	10	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 20:30	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	65.1	50-150		8/28/13 20:30

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287304 | Sampled: 8/26/2013 15:05

Sample ID: 13H1007-16

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	97.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287305 Sampled: 8/26/2013 15:10

Sample ID: 13H1007-17

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 8270D	8/28/13	9/3/13 14:57	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287305 | Sampled: 8/26/2013 15:10

Sample ID: 13H1007-17

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 14:57	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	76.6	30-130		9/3/13 14:57
Phenol-d6	72.5	30-130		9/3/13 14:57
Nitrobenzene-d5	83.3	30-130		9/3/13 14:57
2-Fluorobiphenyl	83.6	30-130		9/3/13 14:57
2,4,6-Tribromophenol	90.1	30-130		9/3/13 14:57
p-Terphenyl-d14	103	30-130		9/3/13 14:57

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287305 | Sampled: 8/26/2013 15:10

Sample ID: 13H1007-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	40	12	mg/Kg dry	1		CTDEP ETPH	8/29/13	8/30/13 10:27	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	60.8	50-150		8/30/13 10:27

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287305 | Sampled: 8/26/2013 15:10

Sample ID: 13H1007-17

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
% Solids	86.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287306 | Sampled: 8/26/2013 15:15

Sample ID: 13H1007-18

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Aldrin [1]	ND	0.0063	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
alpha-BHC [1]	ND	0.0063	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
beta-BHC [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
delta-BHC [1]	ND	0.0063	mg/Kg dry	1	V-20	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
gamma-BHC (Lindane) [1]	ND	0.0025	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Chlordane [1]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
4,4'-DDD [1]	ND	0.0050	mg/Kg dry	1	V-20	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
4,4'-DDE [1]	ND	0.0050	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
4,4'-DDT [1]	ND	0.0050	mg/Kg dry	1	V-20	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Dieldrin [1]	ND	0.0050	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Endosulfan I [1]	ND	0.0063	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Endosulfan II [1]	ND	0.010	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Endosulfan sulfate [1]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Endrin [1]	ND	0.010	mg/Kg dry	1	V-24	SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Endrin aldehyde [1]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/26/13	8/27/13 20:17	JMB
Endrin ketone [1]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Heptachlor [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Heptachlor epoxide [1]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Hexachlorobenzene [1]	ND	0.0076	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Methoxychlor [1]	ND	0.063	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB
Toxaphene [1]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/26/13	8/29/13 2:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.7	30-150		8/29/13 2:31
Decachlorobiphenyl [2]	96.7	30-150		8/29/13 2:31
Tetrachloro-m-xylene [1]	82.6	30-150		8/29/13 2:31
Tetrachloro-m-xylene [2]	85.5	30-150		8/29/13 2:31

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

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287306 Sampled: 8/26/2013 15:15

Sample ID: 13H1007-18

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
% Solids	77.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287307 | Sampled: 8/26/2013 15:25

Sample ID: 13H1007-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287307 | Sampled: 8/26/2013 15:25

Sample ID: 13H1007-19

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 8270D	8/28/13	9/3/13 15:58	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 15:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	54.1	30-130		9/3/13 15:58
Phenol-d6	54.4	30-130		9/3/13 15:58
Nitrobenzene-d5	64.0	30-130		9/3/13 15:58
2-Fluorobiphenyl	61.1	30-130		9/3/13 15:58
2,4,6-Tribromophenol	63.7	30-130		9/3/13 15:58
p-Terphenyl-d14	71.0	30-130		9/3/13 15:58

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287307 | Sampled: 8/26/2013 15:25

Sample ID: 13H1007-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	62	11	mg/Kg dry	1		CTDEP ETPH	8/27/13	8/28/13 21:06	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	66.4	50-150		8/28/13 21:06

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287307 | Sampled: 8/26/2013 15:25

Sample ID: 13H1007-19

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
% Solids	90.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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

Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287308 Sampled: 8/26/2013 15:30

Sample ID: 13H1007-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Aniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Bis(2-chloroethoxy)methane	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Bis(2-chloroethyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Bis(2-chloroisopropyl)ether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Bromophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Butylbenzylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Chloroaniline	ND	0.83	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Chloro-3-methylphenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2-Chloronaphthalene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2-Chlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Chlorophenylphenylether	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Dibenzofuran	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Di-n-butylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4-Dichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Diethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4-Dimethylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Dimethylphthalate	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4,6-Dinitro-2-methylphenol	ND	0.43	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4-Dinitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,6-Dinitrotoluene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Di-n-octylphthalate	ND	0.84	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Hexachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Hexachlorobutadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Hexachlorocyclopentadiene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Hexachloroethane	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Isophorone	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287308 | Sampled: 8/26/2013 15:30

Sample ID: 13H1007-20

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	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
3/4-Methylphenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
3-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Nitroaniline	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Nitrobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2-Nitrophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
4-Nitrophenol	ND	0.83	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
N-Nitrosodiphenylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
N-Nitrosodi-n-propylamine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Pentachloronitrobenzene	ND	0.43	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Pentachlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Phenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
Pyridine	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
1,2,4-Trichlorobenzene	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4,5-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL
2,4,6-Trichlorophenol	ND	0.43	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 13:56	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	75.5	30-130		9/3/13 13:56
Phenol-d6	76.5	30-130		9/3/13 13:56
Nitrobenzene-d5	78.4	30-130		9/3/13 13:56
2-Fluorobiphenyl	74.8	30-130		9/3/13 13:56
2,4,6-Tribromophenol	75.5	30-130		9/3/13 13:56
p-Terphenyl-d14	94.4	30-130		9/3/13 13:56

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

Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287308 | Sampled: 8/26/2013 15:30

Sample ID: 13H1007-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	97	12	mg/Kg dry	1		CTDEP ETPH	8/29/13	8/30/13 10:45	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	70.8	50-150				8/30/13 10:45	

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Project Location: Oral School Road, Mystic, CT Sample Description: Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287308 Sampled: 8/26/2013 15:30

Sample ID: 13H1007-20

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
% Solids	79.6		% Wt	1		SM 2540G	8/31/13	9/3/13 8:02	MLA

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287358 | Sampled: 8/26/2013 08:30

Sample ID: 13H1007-21

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 wet	1	L-03	SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
n-Butylbenzene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1	L-03	SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Hexachlorobutadiene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF

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Project Location: Oral School Road, Mystic, CT | Sample Description: | Work Order: 13H1007

Date Received: 8/26/2013

Field Sample #: 1287358 | Sampled: 8/26/2013 08:30

Sample ID: 13H1007-21

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 9:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 9:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	104	70-130		8/29/13 9:40
Toluene-d8	99.2	70-130		8/29/13 9:40
4-Bromofluorobenzene	85.2	70-130		8/29/13 9:40

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-01 [1287289]	B079698	30.4	1.00	08/27/13
13H1007-02 [1287290]	B079698	30.4	1.00	08/27/13
13H1007-03 [1287291]	B079698	30.0	1.00	08/27/13
13H1007-05 [1287293]	B079698	30.2	1.00	08/27/13
13H1007-09 [1287297]	B079698	30.2	1.00	08/27/13
13H1007-11 [1287299]	B079698	30.1	1.00	08/27/13
13H1007-12 [1287300]	B079698	30.5	1.00	08/27/13
13H1007-14 [1287302]	B079698	30.2	1.00	08/27/13
13H1007-16 [1287304]	B079698	30.1	1.00	08/27/13
13H1007-19 [1287307]	B079698	30.4	1.00	08/27/13

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-04RE1 [1287292]	B079789	30.4	1.00	08/29/13
13H1007-06RE1 [1287294]	B079789	30.8	1.00	08/29/13
13H1007-07RE1 [1287295]	B079789	30.3	1.00	08/29/13
13H1007-17RE1 [1287305]	B079789	30.0	1.00	08/29/13
13H1007-20RE1 [1287308]	B079789	30.6	1.00	08/29/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1007-01 [1287289]	B079959	08/31/13
13H1007-02 [1287290]	B079959	08/31/13
13H1007-03 [1287291]	B079959	08/31/13
13H1007-04 [1287292]	B079959	08/31/13
13H1007-05 [1287293]	B079959	08/31/13
13H1007-06 [1287294]	B079959	08/31/13
13H1007-07 [1287295]	B079959	08/31/13
13H1007-09 [1287297]	B079959	08/31/13
13H1007-11 [1287299]	B079959	08/31/13
13H1007-12 [1287300]	B079959	08/31/13
13H1007-13 [1287301]	B079959	08/31/13
13H1007-14 [1287302]	B079959	08/31/13
13H1007-16 [1287304]	B079959	08/31/13
13H1007-17 [1287305]	B079959	08/31/13
13H1007-18 [1287306]	B079959	08/31/13
13H1007-19 [1287307]	B079959	08/31/13
13H1007-20 [1287308]	B079959	08/31/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-07 [1287295]	B079646	1.07	50.0	08/27/13
13H1007-09 [1287297]	B079646	1.01	50.0	08/27/13
13H1007-14 [1287302]	B079646	1.05	50.0	08/27/13

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Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-07 [1287295]	B079679	0.614	50.0	08/27/13
13H1007-09 [1287297]	B079679	0.601	50.0	08/27/13
13H1007-14 [1287302]	B079679	0.617	50.0	08/27/13

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-13 [1287301]	B079597	10.1	10.0	08/26/13
13H1007-13RE1 [1287301]	B079597	10.1	10.0	08/26/13
13H1007-18 [1287306]	B079597	10.3	10.0	08/26/13
13H1007-18RE1 [1287306]	B079597	10.3	10.0	08/26/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-07 [1287295]	B079827	9.82	10.0	08/29/13
13H1007-09 [1287297]	B079827	8.48	10.0	08/29/13
13H1007-14 [1287302]	B079827	7.09	10.0	08/29/13
13H1007-21 [1287358]	B079827	5.00	10.0	08/29/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1007-01 [1287289]	B079707	30.2	1.00	08/28/13
13H1007-02 [1287290]	B079707	30.3	1.00	08/28/13
13H1007-03 [1287291]	B079707	30.2	1.00	08/28/13
13H1007-04 [1287292]	B079707	30.0	1.00	08/28/13
13H1007-05 [1287293]	B079707	30.6	1.00	08/28/13
13H1007-06 [1287294]	B079707	30.1	1.00	08/28/13
13H1007-07 [1287295]	B079707	30.0	1.00	08/28/13
13H1007-09 [1287297]	B079707	30.1	1.00	08/28/13
13H1007-11 [1287299]	B079707	30.1	1.00	08/28/13
13H1007-12 [1287300]	B079707	30.0	1.00	08/28/13
13H1007-14 [1287302]	B079707	30.2	1.00	08/28/13
13H1007-16 [1287304]	B079707	30.2	1.00	08/28/13
13H1007-17 [1287305]	B079707	30.0	1.00	08/28/13
13H1007-19 [1287307]	B079707	30.0	1.00	08/28/13
13H1007-20 [1287308]	B079707	30.1	1.00	08/28/13

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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 B079827 - SW-846 5035										
Blank (B079827-BLK1)				Prepared & Analyzed: 08/29/13						
Acetone	ND	0.10	mg/Kg wet							L-03
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	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							
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	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	0.0010	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	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0020	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							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							L-03
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	0.0040	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0040	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							L-03, V-05
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
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							

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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 B079827 - SW-846 5035											
Blank (B079827-BLK1)				Prepared & Analyzed: 08/29/13							
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0504*		mg/Kg wet	0.0500		101		70-130			
Surrogate: Toluene-d8	*0.0490*		mg/Kg wet	0.0500		98.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0427*		mg/Kg wet	0.0500		85.3		70-130			
LCS (B079827-BS1)				Prepared & Analyzed: 08/29/13							
Acetone	0.136	0.10	mg/Kg wet	0.200		**68.1**	*	70-130			L-03
Acrylonitrile	0.0186	0.0060	mg/Kg wet	0.0200		93.1		70-130			
Benzene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130			
Bromobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6		70-130			
Bromodichloromethane	0.0225	0.0020	mg/Kg wet	0.0200		112		70-130			
Bromoform	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Bromomethane	0.0143	0.010	mg/Kg wet	0.0200		71.4		70-130			
2-Butanone (MEK)	0.151	0.040	mg/Kg wet	0.200		75.5		70-130			
n-Butylbenzene	0.0214	0.0040	mg/Kg wet	0.0200		107		70-130			
sec-Butylbenzene	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130			
tert-Butylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130			
Carbon Disulfide	0.0227	0.0060	mg/Kg wet	0.0200		114		70-130			
Carbon Tetrachloride	0.0249	0.0040	mg/Kg wet	0.0200		124		70-130			
Chlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130			
Chlorodibromomethane	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130			
Chloroethane	0.0209	0.020	mg/Kg wet	0.0200		105		70-130			
Chloroform	0.0224	0.0040	mg/Kg wet	0.0200		112		70-130			
Chloromethane	0.0153	0.010	mg/Kg wet	0.0200		76.6		70-130			
2-Chlorotoluene	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.0040	mg/Kg wet	0.0200		97.5		70-130			
1,2-Dibromoethane (EDB)	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
Dibromomethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
1,3-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
1,4-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
trans-1,4-Dichloro-2-butene	0.0175	0.0040	mg/Kg wet	0.0200		87.6		70-130			
Dichlorodifluoromethane (Freon 12)	0.0140	0.020	mg/Kg wet	0.0200		**69.9**	*	70-130			L-03
1,1-Dichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,2-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1		70-130			
1,1-Dichloroethylene	0.0235	0.0040	mg/Kg wet	0.0200		118		70-130			

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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 B079827 - SW-846 5035											
LCS (B079827-BS1)				Prepared & Analyzed: 08/29/13							
cis-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
trans-1,2-Dichloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130			
1,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichloropropane	0.0200	0.0010	mg/Kg wet	0.0200		99.9		70-130			
2,2-Dichloropropane	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130			
1,1-Dichloropropene	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130			
cis-1,3-Dichloropropene	0.0181	0.0040	mg/Kg wet	0.0200		90.3		70-130			
trans-1,3-Dichloropropene	0.0181	0.010	mg/Kg wet	0.0200		90.7		70-130			
Ethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
Hexachlorobutadiene	0.0215	0.0040	mg/Kg wet	0.0200		108		70-130			
2-Hexanone (MBK)	0.148	0.020	mg/Kg wet	0.200		73.8		70-130			
Isopropylbenzene (Cumene)	0.0223	0.0020	mg/Kg wet	0.0200		112		70-130			
p-Isopropyltoluene (p-Cymene)	0.0228	0.0020	mg/Kg wet	0.0200		114		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.0		70-130			
Methylene Chloride	0.00996	0.020	mg/Kg wet	0.0200		**49.8**	*	70-130			L-03, V-05
4-Methyl-2-pentanone (MIBK)	0.156	0.020	mg/Kg wet	0.200		77.8		70-130			
Naphthalene	0.0164	0.0040	mg/Kg wet	0.0200		82.1		70-130			
n-Propylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		118		70-130			
Styrene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130			
1,1,1,2-Tetrachloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130			
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		103		70-130			
Tetrachloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.1		70-130			
Toluene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2,3-Trichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.7		70-130			
1,2,4-Trichlorobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.4		70-130			
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichlorofluoromethane (Freon 11)	0.0246	0.010	mg/Kg wet	0.0200		123		70-130			
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.5		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0270	0.010	mg/Kg wet	0.0200		**135**	*	70-130			L-01
1,2,4-Trimethylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130			
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
Vinyl Chloride	0.0174	0.010	mg/Kg wet	0.0200		86.9		70-130			
m+p Xylene	0.0445	0.0040	mg/Kg wet	0.0400		111		70-130			
o-Xylene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		mg/Kg wet	0.0500		94.8		70-130			
Surrogate: Toluene-d8	*0.0506*		mg/Kg wet	0.0500		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0481*		mg/Kg wet	0.0500		96.2		70-130			
Matrix Spike (B079827-MS1)	**Source: 13H1007-07**			Prepared & Analyzed: 08/29/13							
Acetone	0.108	0.062	mg/Kg dry	0.124	ND	86.8		70-130			L-03
Acrylonitrile	0.0132	0.0037	mg/Kg dry	0.0124	ND	106		70-130			
Benzene	0.0124	0.0012	mg/Kg dry	0.0124	ND	99.9		70-130			
Bromobenzene	0.0102	0.0012	mg/Kg dry	0.0124	ND	81.7		70-130			
Bromodichloromethane	0.0128	0.0012	mg/Kg dry	0.0124	ND	103		70-130			
Bromoform	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.6		70-130			
Bromomethane	0.00859	0.0062	mg/Kg dry	0.0124	ND	**69.1**	*	70-130			MS-07
2-Butanone (MEK)	0.118	0.025	mg/Kg dry	0.124	ND	94.7		70-130			
n-Butylbenzene	0.0112	0.0025	mg/Kg dry	0.0124	ND	89.7		70-130			
sec-Butylbenzene	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.2		70-130			

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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 B079827 - SW-846 5035											
Matrix Spike (B079827-MS1)		**Source: 13H1007-07**		Prepared & Analyzed: 08/29/13							
tert-Butylbenzene	0.0110	0.0012	mg/Kg dry	0.0124	ND	88.8		70-130			
Carbon Disulfide	0.0116	0.0037	mg/Kg dry	0.0124	ND	93.6		70-130			
Carbon Tetrachloride	0.0128	0.0025	mg/Kg dry	0.0124	ND	103		70-130			
Chlorobenzene	0.0111	0.0012	mg/Kg dry	0.0124	ND	89.5		70-130			
Chlorodibromomethane	0.0121	0.00062	mg/Kg dry	0.0124	ND	97.4		70-130			
Chloroethane	0.0113	0.012	mg/Kg dry	0.0124	ND	91.2		70-130			
Chloroform	0.0131	0.0025	mg/Kg dry	0.0124	ND	106		70-130			
Chloromethane	0.00847	0.0062	mg/Kg dry	0.0124	ND	**68.1**	*	70-130			MS-07
2-Chlorotoluene	0.0107	0.0012	mg/Kg dry	0.0124	ND	86.0		70-130			
4-Chlorotoluene	0.0108	0.0012	mg/Kg dry	0.0124	ND	87.2		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0127	0.0025	mg/Kg dry	0.0124	ND	102		70-130			
1,2-Dibromoethane (EDB)	0.0119	0.0012	mg/Kg dry	0.0124	ND	95.5		70-130			
Dibromomethane	0.0128	0.0012	mg/Kg dry	0.0124	ND	103		70-130			
1,2-Dichlorobenzene	0.0106	0.0012	mg/Kg dry	0.0124	ND	85.1		70-130			
1,3-Dichlorobenzene	0.0104	0.0012	mg/Kg dry	0.0124	ND	83.6		70-130			
1,4-Dichlorobenzene	0.0107	0.0012	mg/Kg dry	0.0124	ND	86.4		70-130			
trans-1,4-Dichloro-2-butene	0.0111	0.0025	mg/Kg dry	0.0124	ND	89.0		70-130			
Dichlorodifluoromethane (Freon 12)	0.00719	0.012	mg/Kg dry	0.0124	ND	**57.8**	*	70-130			L-03, MS-08
1,1-Dichloroethane	0.0123	0.0012	mg/Kg dry	0.0124	ND	98.8		70-130			
1,2-Dichloroethane	0.0121	0.0012	mg/Kg dry	0.0124	ND	97.0		70-130			
1,1-Dichloroethylene	0.0129	0.0025	mg/Kg dry	0.0124	ND	104		70-130			
cis-1,2-Dichloroethylene	0.0119	0.0012	mg/Kg dry	0.0124	ND	96.0		70-130			
trans-1,2-Dichloroethylene	0.0120	0.0012	mg/Kg dry	0.0124	ND	96.3		70-130			
1,2-Dichloropropane	0.0123	0.0012	mg/Kg dry	0.0124	ND	98.7		70-130			
1,3-Dichloropropane	0.0125	0.00062	mg/Kg dry	0.0124	ND	101		70-130			
2,2-Dichloropropane	0.0107	0.0012	mg/Kg dry	0.0124	ND	86.3		70-130			
1,1-Dichloropropene	0.0127	0.0012	mg/Kg dry	0.0124	ND	102		70-130			
cis-1,3-Dichloropropene	0.00964	0.0025	mg/Kg dry	0.0124	ND	77.5		70-130			
trans-1,3-Dichloropropene	0.00970	0.0062	mg/Kg dry	0.0124	ND	78.0		70-130			
Ethylbenzene	0.0117	0.0012	mg/Kg dry	0.0124	ND	94.5		70-130			
Hexachlorobutadiene	0.00878	0.0025	mg/Kg dry	0.0124	ND	70.6		70-130			
2-Hexanone (MBK)	0.112	0.012	mg/Kg dry	0.124	ND	89.9		70-130			
Isopropylbenzene (Cumene)	0.0112	0.0012	mg/Kg dry	0.0124	ND	89.7		70-130			
p-Isopropyltoluene (p-Cymene)	0.0118	0.0012	mg/Kg dry	0.0124	ND	94.8		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0135	0.0025	mg/Kg dry	0.0124	ND	108		70-130			
Methylene Chloride	0.00489	0.012	mg/Kg dry	0.0124	ND	**39.3**	*	70-130			L-03, MS-08, V-05
4-Methyl-2-pentanone (MIBK)	0.115	0.012	mg/Kg dry	0.124	ND	92.4		70-130			
Naphthalene	0.00910	0.0025	mg/Kg dry	0.0124	ND	73.2		70-130			
n-Propylbenzene	0.0118	0.0012	mg/Kg dry	0.0124	ND	95.3		70-130			
Styrene	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.3		70-130			
1,1,1,2-Tetrachloroethane	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.4		70-130			
1,1,2,2-Tetrachloroethane	0.0133	0.00062	mg/Kg dry	0.0124	ND	107		70-130			
Tetrachloroethylene	0.0111	0.0012	mg/Kg dry	0.0124	ND	89.2		70-130			
Tetrahydrofuran	0.0120	0.0062	mg/Kg dry	0.0124	ND	96.8		70-130			
Toluene	0.0116	0.0012	mg/Kg dry	0.0124	ND	93.1		70-130			
1,2,3-Trichlorobenzene	0.00889	0.0012	mg/Kg dry	0.0124	ND	71.5		70-130			
1,2,4-Trichlorobenzene	0.00870	0.0012	mg/Kg dry	0.0124	ND	70.0		70-130			
1,1,1-Trichloroethane	0.0117	0.0012	mg/Kg dry	0.0124	ND	93.8		70-130			
1,1,2-Trichloroethane	0.0129	0.0012	mg/Kg dry	0.0124	ND	104		70-130			
Trichloroethylene	0.0113	0.0012	mg/Kg dry	0.0124	ND	90.6		70-130			
Trichlorofluoromethane (Freon 11)	0.0139	0.0062	mg/Kg dry	0.0124	ND	112		70-130			
1,2,3-Trichloropropane	0.0128	0.0012	mg/Kg dry	0.0124	ND	103		70-130			

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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 B079827 - SW-846 5035										
Matrix Spike (B079827-MS1)		**Source: 13H1007-07**		Prepared & Analyzed: 08/29/13						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0148	0.0062	mg/Kg dry	0.0124	ND	119	70-130			
1,2,4-Trimethylbenzene	0.0115	0.0012	mg/Kg dry	0.0124	ND	92.7	70-130			
1,3,5-Trimethylbenzene	0.0105	0.0012	mg/Kg dry	0.0124	ND	84.4	70-130			
Vinyl Chloride	0.00939	0.0062	mg/Kg dry	0.0124	ND	75.5	70-130			
m+p Xylene	0.0232	0.0025	mg/Kg dry	0.0249	ND	93.5	70-130			
o-Xylene	0.0113	0.0012	mg/Kg dry	0.0124	ND	90.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0316*		mg/Kg dry	0.0311		102	70-130			
Surrogate: Toluene-d8	*0.0310*		mg/Kg dry	0.0311		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0301*		mg/Kg dry	0.0311		96.8	70-130			

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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 B079707 - SW-846 3546										
Blank (B079707-BLK1)				Prepared: 08/28/13 Analyzed: 08/30/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079707 - SW-846 3546											
Blank (B079707-BLK1)				Prepared: 08/28/13 Analyzed: 08/30/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*5.23*		mg/Kg wet	6.67		78.4	30-130				
Surrogate: Phenol-d6	*5.11*		mg/Kg wet	6.67		76.7	30-130				
Surrogate: Nitrobenzene-d5	*2.59*		mg/Kg wet	3.33		77.7	30-130				
Surrogate: 2-Fluorobiphenyl	*2.58*		mg/Kg wet	3.33		77.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.79*		mg/Kg wet	6.67		86.9	30-130				
Surrogate: p-Terphenyl-d14	*2.68*		mg/Kg wet	3.33		80.3	30-130				
LCS (B079707-BS1)				Prepared: 08/28/13 Analyzed: 08/30/13							
Acenaphthene	1.44	0.17	mg/Kg wet	1.67		86.6	40-140				
Acenaphthylene	1.42	0.17	mg/Kg wet	1.67		85.1	40-140				
Aniline	1.09	0.34	mg/Kg wet	1.67		65.1	40-140				†
Anthracene	1.57	0.17	mg/Kg wet	1.67		94.3	40-140				
Benzo(a)anthracene	1.61	0.17	mg/Kg wet	1.67		96.7	40-140				
Benzo(a)pyrene	1.64	0.17	mg/Kg wet	1.67		98.5	40-140				
Benzo(b)fluoranthene	1.63	0.17	mg/Kg wet	1.67		97.7	40-140				
Benzo(g,h,i)perylene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140				
Benzo(k)fluoranthene	1.63	0.17	mg/Kg wet	1.67		97.9	40-140				
Bis(2-chloroethoxy)methane	1.45	0.34	mg/Kg wet	1.67		86.8	40-140				
Bis(2-chloroethyl)ether	1.45	0.34	mg/Kg wet	1.67		86.8	40-140				
Bis(2-chloroisopropyl)ether	1.35	0.34	mg/Kg wet	1.67		81.1	40-140				
Bis(2-Ethylhexyl)phthalate	1.59	0.34	mg/Kg wet	1.67		95.1	40-140				
4-Bromophenylphenylether	1.61	0.34	mg/Kg wet	1.67		96.4	40-140				
Butylbenzylphthalate	1.64	0.34	mg/Kg wet	1.67		98.4	40-140				
Carbazole	1.63	0.17	mg/Kg wet	1.67		98.1	40-140				
4-Chloroaniline	0.675	0.66	mg/Kg wet	1.67		40.5	40-140				†
4-Chloro-3-methylphenol	1.44	0.66	mg/Kg wet	1.67		86.3	30-130				
2-Chloronaphthalene	1.37	0.34	mg/Kg wet	1.67		81.9	40-140				
2-Chlorophenol	1.37	0.34	mg/Kg wet	1.67		82.0	30-130				
4-Chlorophenylphenylether	1.50	0.34	mg/Kg wet	1.67		89.8	40-140				
Chrysene	1.69	0.17	mg/Kg wet	1.67		101	40-140				
Dibenz(a,h)anthracene	1.47	0.17	mg/Kg wet	1.67		88.4	40-140				
Dibenzofuran	1.36	0.34	mg/Kg wet	1.67		81.8	40-140				
Di-n-butylphthalate	1.74	0.34	mg/Kg wet	1.67		104	40-140				
3,3-Dichlorobenzidine	1.18	0.17	mg/Kg wet	1.67		71.0	40-140				†
2,4-Dichlorophenol	1.42	0.34	mg/Kg wet	1.67		85.0	30-130				
Diethylphthalate	1.53	0.34	mg/Kg wet	1.67		92.0	40-140				
2,4-Dimethylphenol	1.39	0.34	mg/Kg wet	1.67		83.6	30-130				
Dimethylphthalate	1.54	0.34	mg/Kg wet	1.67		92.6	40-140				
4,6-Dinitro-2-methylphenol	1.57	0.34	mg/Kg wet	1.67		94.0	30-130				

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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 B079707 - SW-846 3546												
LCS (B079707-BS1)				Prepared: 08/28/13 Analyzed: 08/30/13								
2,4-Dinitrophenol	1.15	0.66	mg/Kg wet	1.67		68.8		30-130			V-19	
2,4-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.1		40-140				
2,6-Dinitrotoluene	1.58	0.34	mg/Kg wet	1.67		94.6		40-140				
Di-n-octylphthalate	1.65	0.67	mg/Kg wet	1.67		99.3		40-140				
Fluoranthene	1.67	0.17	mg/Kg wet	1.67		100		40-140				
Fluorene	1.44	0.17	mg/Kg wet	1.67		86.2		40-140				
Hexachlorobenzene	1.65	0.34	mg/Kg wet	1.67		99.0		40-140				
Hexachlorobutadiene	1.49	0.34	mg/Kg wet	1.67		89.3		40-140				
Hexachlorocyclopentadiene	1.05	0.34	mg/Kg wet	1.67		62.8		30-140				
Hexachloroethane	1.32	0.34	mg/Kg wet	1.67		79.4		40-140				
Indeno(1,2,3-cd)pyrene	1.41	0.17	mg/Kg wet	1.67		84.8		40-140				
Isophorone	1.41	0.34	mg/Kg wet	1.67		84.7		40-140				
2-Methylnaphthalene	1.36	0.17	mg/Kg wet	1.67		81.4		40-140				
2-Methylphenol	1.41	0.34	mg/Kg wet	1.67		84.8		30-130				
3/4-Methylphenol	2.36	0.34	mg/Kg wet	1.67		**142**	*	30-130			L-02	
Naphthalene	1.36	0.17	mg/Kg wet	1.67		81.6		40-140				
2-Nitroaniline	1.20	0.34	mg/Kg wet	1.67		72.3		40-140				
3-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.3		40-140				†
4-Nitroaniline	1.21	0.34	mg/Kg wet	1.67		72.6		40-140				
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67		77.9		40-140				
2-Nitrophenol	1.48	0.34	mg/Kg wet	1.67		88.9		30-130				
4-Nitrophenol	1.41	0.66	mg/Kg wet	1.67		84.4		10-130				
N-Nitrosodiphenylamine	1.86	0.34	mg/Kg wet	1.67		111		40-140				
N-Nitrosodi-n-propylamine	1.35	0.34	mg/Kg wet	1.67		80.7		40-140				
Pentachloronitrobenzene	1.79	0.34	mg/Kg wet	1.67		108		40-140			V-16	
Pentachlorophenol	1.64	0.34	mg/Kg wet	1.67		98.2		30-130				
Phenanthrene	1.54	0.17	mg/Kg wet	1.67		92.6		40-140				
Phenol	1.24	0.34	mg/Kg wet	1.67		74.2		20-130				
Pyrene	1.56	0.17	mg/Kg wet	1.67		93.4		40-140				
Pyridine	0.970	0.34	mg/Kg wet	1.67		58.2		10-140				†
1,2,4,5-Tetrachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.6		40-140				
1,2,4-Trichlorobenzene	1.42	0.34	mg/Kg wet	1.67		85.3		40-140				
2,4,5-Trichlorophenol	1.43	0.34	mg/Kg wet	1.67		85.8		30-130				
2,4,6-Trichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.5		30-130				
Surrogate: 2-Fluorophenol	*5.50*		mg/Kg wet	6.67		82.5		30-130				
Surrogate: Phenol-d6	*5.20*		mg/Kg wet	6.67		78.1		30-130				
Surrogate: Nitrobenzene-d5	*2.69*		mg/Kg wet	3.33		80.7		30-130				
Surrogate: 2-Fluorobiphenyl	*2.67*		mg/Kg wet	3.33		80.1		30-130				
Surrogate: 2,4,6-Tribromophenol	*6.71*		mg/Kg wet	6.67		101		30-130				
Surrogate: p-Terphenyl-d14	*3.28*		mg/Kg wet	3.33		98.3		30-130				
LCS Dup (B079707-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13								
Acenaphthene	1.56	0.17	mg/Kg wet	1.67		93.8		40-140	7.89	30		
Acenaphthylene	1.54	0.17	mg/Kg wet	1.67		92.3		40-140	8.12	30		
Aniline	1.14	0.34	mg/Kg wet	1.67		68.2		40-140	4.62	50		† ‡
Anthracene	1.66	0.17	mg/Kg wet	1.67		99.7		40-140	5.56	30		
Benzo(a)anthracene	1.73	0.17	mg/Kg wet	1.67		104		40-140	7.07	30		
Benzo(a)pyrene	1.74	0.17	mg/Kg wet	1.67		105		40-140	6.05	30		
Benzo(b)fluoranthene	1.68	0.17	mg/Kg wet	1.67		101		40-140	2.94	30		
Benzo(g,h,i)perylene	1.43	0.17	mg/Kg wet	1.67		85.5		40-140	14.6	30		
Benzo(k)fluoranthene	1.80	0.17	mg/Kg wet	1.67		108		40-140	9.76	30		
Bis(2-chloroethoxy)methane	1.55	0.34	mg/Kg wet	1.67		93.2		40-140	7.18	30		

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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 B079707 - SW-846 3546												
LCS Dup (B079707-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13								
Bis(2-chloroethyl)ether	1.56	0.34	mg/Kg wet	1.67		93.3		40-140	7.28	30		
Bis(2-chloroisopropyl)ether	1.44	0.34	mg/Kg wet	1.67		86.6		40-140	6.58	30		
Bis(2-Ethylhexyl)phthalate	1.71	0.34	mg/Kg wet	1.67		103		40-140	7.49	30		
4-Bromophenylphenylether	1.71	0.34	mg/Kg wet	1.67		103		40-140	6.36	30		
Butylbenzylphthalate	1.71	0.34	mg/Kg wet	1.67		102		40-140	3.92	30		
Carbazole	1.72	0.17	mg/Kg wet	1.67		103		40-140	4.88	30		
4-Chloroaniline	0.818	0.66	mg/Kg wet	1.67		49.1		40-140	19.1	30		†
4-Chloro-3-methylphenol	1.48	0.66	mg/Kg wet	1.67		88.8		30-130	2.90	30		
2-Chloronaphthalene	1.33	0.34	mg/Kg wet	1.67		79.9		40-140	2.47	30		
2-Chlorophenol	1.47	0.34	mg/Kg wet	1.67		88.2		30-130	7.24	30		
4-Chlorophenylphenylether	1.60	0.34	mg/Kg wet	1.67		96.2		40-140	6.88	30		
Chrysene	1.79	0.17	mg/Kg wet	1.67		108		40-140	6.15	30		
Dibenz(a,h)anthracene	1.67	0.17	mg/Kg wet	1.67		100		40-140	12.5	30		
Dibenzofuran	1.46	0.34	mg/Kg wet	1.67		87.9		40-140	7.17	30		
Di-n-butylphthalate	1.88	0.34	mg/Kg wet	1.67		113		40-140	7.99	30		
3,3-Dichlorobenzidine	1.35	0.17	mg/Kg wet	1.67		80.8		40-140	12.9	30		† ‡
2,4-Dichlorophenol	1.50	0.34	mg/Kg wet	1.67		90.0		30-130	5.69	30		
Diethylphthalate	1.62	0.34	mg/Kg wet	1.67		97.3		40-140	5.58	30		
2,4-Dimethylphenol	1.49	0.34	mg/Kg wet	1.67		89.3		30-130	6.61	30		
Dimethylphthalate	1.64	0.34	mg/Kg wet	1.67		98.7		40-140	6.38	50		
4,6-Dinitro-2-methylphenol	1.70	0.34	mg/Kg wet	1.67		102		30-130	8.12	50		
2,4-Dinitrophenol	1.31	0.66	mg/Kg wet	1.67		78.8		30-130	13.6	50	V-19	
2,4-Dinitrotoluene	1.57	0.34	mg/Kg wet	1.67		94.4		40-140	3.62	30		
2,6-Dinitrotoluene	1.66	0.34	mg/Kg wet	1.67		99.6		40-140	5.13	30		
Di-n-octylphthalate	1.76	0.67	mg/Kg wet	1.67		105		40-140	5.98	30		
Fluoranthene	1.81	0.17	mg/Kg wet	1.67		109		40-140	8.48	30		
Fluorene	1.55	0.17	mg/Kg wet	1.67		92.8		40-140	7.28	30		
Hexachlorobenzene	1.79	0.34	mg/Kg wet	1.67		107		40-140	8.22	30		
Hexachlorobutadiene	1.62	0.34	mg/Kg wet	1.67		97.1		40-140	8.39	30		
Hexachlorocyclopentadiene	1.23	0.34	mg/Kg wet	1.67		73.8		30-140	16.0	50		
Hexachloroethane	1.42	0.34	mg/Kg wet	1.67		84.9		40-140	6.77	50		
Indeno(1,2,3-cd)pyrene	1.62	0.17	mg/Kg wet	1.67		97.3		40-140	13.8	50		
Isophorone	1.50	0.34	mg/Kg wet	1.67		89.9		40-140	6.02	30		
2-Methylnaphthalene	1.45	0.17	mg/Kg wet	1.67		87.0		40-140	6.56	30		
2-Methylphenol	1.50	0.34	mg/Kg wet	1.67		90.2		30-130	6.15	30		
3/4-Methylphenol	2.47	0.34	mg/Kg wet	1.67		**148**	*	30-130	4.52	30	L-02	
Naphthalene	1.46	0.17	mg/Kg wet	1.67		87.5		40-140	7.05	30		
2-Nitroaniline	1.26	0.34	mg/Kg wet	1.67		75.8		40-140	4.78	30		
3-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.5		40-140	4.51	30		†
4-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		70.9		40-140	2.37	30		
Nitrobenzene	1.41	0.34	mg/Kg wet	1.67		84.9		40-140	8.60	30		
2-Nitrophenol	1.62	0.34	mg/Kg wet	1.67		97.4		30-130	9.12	30		
4-Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.5		10-130	1.10	50		‡
N-Nitrosodiphenylamine	2.00	0.34	mg/Kg wet	1.67		120		40-140	7.16	30		
N-Nitrosodi-n-propylamine	1.42	0.34	mg/Kg wet	1.67		85.0		40-140	5.14	30		
Pentachloronitrobenzene	1.90	0.34	mg/Kg wet	1.67		114		40-140	5.80	30	V-16	
Pentachlorophenol	1.71	0.34	mg/Kg wet	1.67		103		30-130	4.54	50		
Phenanthrene	1.67	0.17	mg/Kg wet	1.67		100		40-140	7.78	30		
Phenol	1.32	0.34	mg/Kg wet	1.67		79.0		20-130	6.32	30		
Pyrene	1.58	0.17	mg/Kg wet	1.67		95.0		40-140	1.72	30		
Pyridine	1.05	0.34	mg/Kg wet	1.67		62.8		10-140	7.64	50		†
1,2,4,5-Tetrachlorobenzene	1.55	0.34	mg/Kg wet	1.67		93.2		40-140	9.61	30		

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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 B079707 - SW-846 3546										
LCS Dup (B079707-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13						
1,2,4-Trichlorobenzene	1.54	0.34	mg/Kg wet	1.67		92.3	40-140	7.86	30	
2,4,5-Trichlorophenol	1.47	0.34	mg/Kg wet	1.67		88.4	30-130	3.01	30	
2,4,6-Trichlorophenol	1.55	0.34	mg/Kg wet	1.67		93.2	30-130	7.50	50	
Surrogate: 2-Fluorophenol	*5.72*		mg/Kg wet	6.67		85.8	30-130			
Surrogate: Phenol-d6	*5.42*		mg/Kg wet	6.67		81.3	30-130			
Surrogate: Nitrobenzene-d5	*2.84*		mg/Kg wet	3.33		85.3	30-130			
Surrogate: 2-Fluorobiphenyl	*2.91*		mg/Kg wet	3.33		87.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.82*		mg/Kg wet	6.67		102	30-130			
Surrogate: p-Terphenyl-d14	*3.21*		mg/Kg wet	3.33		96.2	30-130			

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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 B079597 - SW-846 3546										
Blank (B079597-BLK1)				Prepared: 08/26/13 Analyzed: 08/28/13						
alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
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	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	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	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	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 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	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.160*		mg/Kg wet	0.200		79.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.188*		mg/Kg wet	0.200		93.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.6	30-150			

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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 B079597 - SW-846 3546										
LCS (B079597-BS1)				Prepared: 08/26/13 Analyzed: 08/28/13						
Alachlor	0.017	0.020	mg/Kg wet	0.0200		86.0	40-140			
Alachlor [2C]	0.017	0.020	mg/Kg wet	0.0200		87.1	40-140			
Aldrin	0.020	0.0050	mg/Kg wet	0.0200		97.7	40-140			
Aldrin [2C]	0.020	0.0050	mg/Kg wet	0.0200		102	40-140			
alpha-BHC	0.020	0.0050	mg/Kg wet	0.0200		98.3	40-140			
alpha-BHC [2C]	0.020	0.0050	mg/Kg wet	0.0200		98.1	40-140			
beta-BHC	0.019	0.0050	mg/Kg wet	0.0200		94.2	40-140			
beta-BHC [2C]	0.019	0.0050	mg/Kg wet	0.0200		92.7	40-140			
delta-BHC	0.018	0.0050	mg/Kg wet	0.0200		91.4	40-140			
delta-BHC [2C]	0.018	0.0050	mg/Kg wet	0.0200		87.6	40-140			
gamma-BHC (Lindane)	0.019	0.0020	mg/Kg wet	0.0200		95.0	40-140			
gamma-BHC (Lindane) [2C]	0.020	0.0020	mg/Kg wet	0.0200		101	40-140			
4,4'-DDD	0.020	0.0040	mg/Kg wet	0.0200		102	40-140			
4,4'-DDD [2C]	0.021	0.0040	mg/Kg wet	0.0200		104	40-140			
4,4'-DDE	0.020	0.0040	mg/Kg wet	0.0200		101	40-140			
4,4'-DDE [2C]	0.020	0.0040	mg/Kg wet	0.0200		102	40-140			
4,4'-DDT	0.021	0.0040	mg/Kg wet	0.0200		104	40-140			
4,4'-DDT [2C]	0.021	0.0040	mg/Kg wet	0.0200		104	40-140			
Dieldrin	0.020	0.0040	mg/Kg wet	0.0200		101	40-140			
Dieldrin [2C]	0.021	0.0040	mg/Kg wet	0.0200		104	40-140			
Endosulfan I	0.021	0.0050	mg/Kg wet	0.0200		107	40-140			
Endosulfan I [2C]	0.021	0.0050	mg/Kg wet	0.0200		107	40-140			
Endosulfan II	0.021	0.0080	mg/Kg wet	0.0200		105	40-140			
Endosulfan II [2C]	0.020	0.0080	mg/Kg wet	0.0200		102	40-140			
Endosulfan Sulfate	0.020	0.0080	mg/Kg wet	0.0200		98.4	40-140			
Endosulfan Sulfate [2C]	0.019	0.0080	mg/Kg wet	0.0200		94.8	40-140			
Endrin	0.021	0.0080	mg/Kg wet	0.0200		105	40-140			
Endrin [2C]	0.020	0.0080	mg/Kg wet	0.0200		102	40-140			
Endrin Aldehyde	0.022	0.0080	mg/Kg wet	0.0200		109	40-140			
Endrin Aldehyde [2C]	0.021	0.0080	mg/Kg wet	0.0200		105	40-140			
Endrin Ketone	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
Endrin Ketone [2C]	0.020	0.0080	mg/Kg wet	0.0200		102	40-140			
Heptachlor	0.020	0.0050	mg/Kg wet	0.0200		102	40-140			
Heptachlor [2C]	0.020	0.0050	mg/Kg wet	0.0200		102	40-140			
Heptachlor Epoxide	0.021	0.0050	mg/Kg wet	0.0200		103	40-140			
Heptachlor Epoxide [2C]	0.020	0.0050	mg/Kg wet	0.0200		101	40-140			
Hexachlorobenzene	0.021	0.0060	mg/Kg wet	0.0200		107	40-140			
Hexachlorobenzene [2C]	0.021	0.0060	mg/Kg wet	0.0200		103	40-140			
Methoxychlor	0.022	0.050	mg/Kg wet	0.0200		110	40-140			
Methoxychlor [2C]	0.021	0.050	mg/Kg wet	0.0200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.162*		mg/Kg wet	0.200		80.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.173*		mg/Kg wet	0.200		86.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.200		81.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.200		87.6	30-150			

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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 B079597 - SW-846 3546										
LCS Dup (B079597-BSD1)				Prepared: 08/26/13 Analyzed: 08/28/13						
Alachlor	0.018	0.020	mg/Kg wet	0.0200		91.2	40-140	5.88	30	
Alachlor [2C]	0.018	0.020	mg/Kg wet	0.0200		91.1	40-140	4.47	30	
Aldrin	0.020	0.0050	mg/Kg wet	0.0200		102	40-140	4.00	30	
Aldrin [2C]	0.021	0.0050	mg/Kg wet	0.0200		107	40-140	4.31	30	
alpha-BHC	0.020	0.0050	mg/Kg wet	0.0200		102	40-140	4.10	30	
alpha-BHC [2C]	0.020	0.0050	mg/Kg wet	0.0200		102	40-140	4.18	30	
beta-BHC	0.020	0.0050	mg/Kg wet	0.0200		98.6	40-140	4.56	30	
beta-BHC [2C]	0.020	0.0050	mg/Kg wet	0.0200		98.7	40-140	6.23	30	
delta-BHC	0.019	0.0050	mg/Kg wet	0.0200		93.2	40-140	1.92	30	
delta-BHC [2C]	0.018	0.0050	mg/Kg wet	0.0200		92.0	40-140	4.88	30	
gamma-BHC (Lindane)	0.020	0.0020	mg/Kg wet	0.0200		98.8	40-140	3.86	30	
gamma-BHC (Lindane) [2C]	0.021	0.0020	mg/Kg wet	0.0200		105	40-140	4.63	30	
4,4'-DDD	0.021	0.0040	mg/Kg wet	0.0200		106	40-140	4.22	30	
4,4'-DDD [2C]	0.022	0.0040	mg/Kg wet	0.0200		108	40-140	4.07	30	
4,4'-DDE	0.021	0.0040	mg/Kg wet	0.0200		106	40-140	4.98	30	
4,4'-DDE [2C]	0.021	0.0040	mg/Kg wet	0.0200		107	40-140	5.33	30	
4,4'-DDT	0.022	0.0040	mg/Kg wet	0.0200		108	40-140	4.02	30	
4,4'-DDT [2C]	0.022	0.0040	mg/Kg wet	0.0200		109	40-140	4.45	30	
Dieldrin	0.021	0.0040	mg/Kg wet	0.0200		105	40-140	3.83	30	
Dieldrin [2C]	0.022	0.0040	mg/Kg wet	0.0200		110	40-140	5.91	30	
Endosulfan I	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	12.5	30	
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	11.2	30	
Endosulfan II	0.022	0.0080	mg/Kg wet	0.0200		110	40-140	4.22	30	
Endosulfan II [2C]	0.021	0.0080	mg/Kg wet	0.0200		107	40-140	4.86	30	
Endosulfan Sulfate	0.021	0.0080	mg/Kg wet	0.0200		103	40-140	4.93	30	
Endosulfan Sulfate [2C]	0.020	0.0080	mg/Kg wet	0.0200		101	40-140	5.92	30	
Endrin	0.022	0.0080	mg/Kg wet	0.0200		109	40-140	4.13	30	
Endrin [2C]	0.021	0.0080	mg/Kg wet	0.0200		106	40-140	4.36	30	
Endrin Aldehyde	0.021	0.0080	mg/Kg wet	0.0200		107	40-140	2.19	30	
Endrin Aldehyde [2C]	0.021	0.0080	mg/Kg wet	0.0200		103	40-140	1.72	30	
Endrin Ketone	0.022	0.0080	mg/Kg wet	0.0200		109	40-140	9.88	30	
Endrin Ketone [2C]	0.020	0.0080	mg/Kg wet	0.0200		102	40-140	0.0783	30	
Heptachlor	0.021	0.0050	mg/Kg wet	0.0200		106	40-140	3.96	30	
Heptachlor [2C]	0.021	0.0050	mg/Kg wet	0.0200		107	40-140	3.99	30	
Heptachlor Epoxide	0.022	0.0050	mg/Kg wet	0.0200		108	40-140	3.90	30	
Heptachlor Epoxide [2C]	0.021	0.0050	mg/Kg wet	0.0200		106	40-140	4.75	30	
Hexachlorobenzene	0.022	0.0060	mg/Kg wet	0.0200		111	40-140	3.73	30	
Hexachlorobenzene [2C]	0.021	0.0060	mg/Kg wet	0.0200		107	40-140	3.85	30	
Methoxychlor	0.023	0.050	mg/Kg wet	0.0200		114	40-140	3.48	30	
Methoxychlor [2C]	0.022	0.050	mg/Kg wet	0.0200		109	40-140	1.86	30	
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg wet	0.200		79.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.200		82.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.6	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B079698 - SW-846 3546											
Blank (B079698-BLK1)				Prepared: 08/27/13 Analyzed: 08/28/13							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.19*		mg/Kg wet	3.33		65.7		50-150			
LCS (B079698-BS1)				Prepared: 08/27/13 Analyzed: 08/28/13							
CT ETPH	22.6	10	mg/Kg wet	33.3		67.9		60-120			
Surrogate: o-Terphenyl	*2.28*		mg/Kg wet	3.33		68.4		50-150			
LCS Dup (B079698-BSD1)				Prepared: 08/27/13 Analyzed: 08/28/13							
CT ETPH	22.7	10	mg/Kg wet	33.3		68.2		60-120	0.380	30	
Surrogate: o-Terphenyl	*2.26*		mg/Kg wet	3.33		67.9		50-150			
Matrix Spike (B079698-MS1)	**Source: 13H1007-03**			Prepared: 08/27/13 Analyzed: 08/28/13							
CT ETPH	63.6	11	mg/Kg dry	35.2	46.7	**48.0**	*	50-150			MS-09
Surrogate: o-Terphenyl	*2.06*		mg/Kg dry	3.52		58.6		50-150			
Matrix Spike Dup (B079698-MSD1)	**Source: 13H1007-03**			Prepared: 08/27/13 Analyzed: 08/28/13							
CT ETPH	62.3	11	mg/Kg dry	35.2	46.7	**44.2**	*	50-150	2.12	30	MS-09
Surrogate: o-Terphenyl	*1.95*		mg/Kg dry	3.52		55.3		50-150			
Batch B079789 - SW-846 3546											
Blank (B079789-BLK1)				Prepared & Analyzed: 08/29/13							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.83*		mg/Kg wet	3.33		84.9		50-150			
LCS (B079789-BS1)				Prepared & Analyzed: 08/29/13							
CT ETPH	28.5	10	mg/Kg wet	33.3		85.4		60-120			
Surrogate: o-Terphenyl	*2.86*		mg/Kg wet	3.33		85.9		50-150			
LCS Dup (B079789-BSD1)				Prepared & Analyzed: 08/29/13							
CT ETPH	26.4	10	mg/Kg wet	33.3		79.1		60-120	7.68	30	
Surrogate: o-Terphenyl	*2.66*		mg/Kg wet	3.33		79.9		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079646 - SW-846 3050B										
Blank (B079646-BLK1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							
LCS (B079646-BS1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Arsenic	186	5.0	mg/Kg wet	182		102	83-117.6			
Barium	143	5.0	mg/Kg wet	143		99.7	83.2-117.5			
Cadmium	63.7	0.50	mg/Kg wet	60.4		105	83.1-116.9			
Chromium	126	1.0	mg/Kg wet	125		101	81.6-117.6			
Copper	79.5	1.0	mg/Kg wet	80.1		99.3	83.8-116.1			
Lead	129	1.5	mg/Kg wet	136		95.2	82.4-117.8			
Nickel	127	1.0	mg/Kg wet	128		98.9	84.4-115.6			
Selenium	81.4	10	mg/Kg wet	85.9		94.8	80-120			
Silver	56.6	1.0	mg/Kg wet	61.3		92.4	66.2-133.8			
Zinc	205	2.0	mg/Kg wet	204		101	81.9-117.6			
LCS Dup (B079646-BSD1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Arsenic	191	5.0	mg/Kg wet	182		105	83-117.6	2.53	30	
Barium	148	5.0	mg/Kg wet	143		103	83.2-117.5	3.59	30	
Cadmium	65.1	0.50	mg/Kg wet	60.4		108	83.1-116.9	2.21	30	
Chromium	131	1.0	mg/Kg wet	125		105	81.6-117.6	4.02	30	
Copper	81.8	1.0	mg/Kg wet	80.1		102	83.8-116.1	2.84	30	
Lead	134	1.5	mg/Kg wet	136		98.9	82.4-117.8	3.77	30	
Nickel	130	1.0	mg/Kg wet	128		102	84.4-115.6	2.87	30	
Selenium	84.0	10	mg/Kg wet	85.9		97.8	80-120	3.09	30	
Silver	58.3	1.0	mg/Kg wet	61.3		95.1	66.2-133.8	2.90	30	
Zinc	213	2.0	mg/Kg wet	204		105	81.9-117.6	3.90	30	
MRL Check (B079646-MRL1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Lead	0.701	0.74	mg/Kg wet	0.741		94.5	80-120			
Batch B079679 - SW-846 7471										
Blank (B079679-BLK1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Mercury	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079679 - SW-846 7471										
LCS (B079679-BS1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Mercury	4.38	0.33	mg/Kg wet	4.05		108	71.6-128.1			
LCS Dup (B079679-BSD1)				Prepared: 08/27/13 Analyzed: 08/28/13						
Mercury	4.25	0.33	mg/Kg wet	4.05		105	71.6-128.1	2.95	30	

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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 B079959 - % Solids										
Duplicate (B079959-DUP3)	**Source: 13H1007-01**			Prepared: 08/31/13 Analyzed: 09/03/13						
% Solids	92.3		% Wt		91.9			0.434	20	
Duplicate (B079959-DUP6)	**Source: 13H1007-20**			Prepared: 08/31/13 Analyzed: 09/03/13						
% Solids	78.9		% Wt		79.6			0.883	20	

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BREAKDOWN REPORT

Lab Sample ID:	S004598-PEM1	Analyzed:	08/27/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.52
Endrin [1]	2.92

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.22
Endrin [2]	2.00

BREAKDOWN REPORT

Lab Sample ID:	S004598-PEM2	Analyzed:	08/27/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.57
Endrin [1]	2.45

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.27
Endrin [2]	1.36

BREAKDOWN REPORT

Lab Sample ID:	S004601-PEM1	Analyzed:	08/28/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.46
Endrin [1]	3.04

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BREAKDOWN REPORT

Lab Sample ID:	S004601-PEM1	Analyzed:	08/28/2013

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.26
Endrin [2]	1.85

BREAKDOWN REPORT

Lab Sample ID:	S004601-PEM2	Analyzed:	08/28/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	0.81
Endrin [1]	1.87

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.40
Endrin [2]	1.25

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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.
	No results have been blank subtracted unless specified in the case narrative section.

L-01	Laboratory fortified blank /laboratory control sample 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.
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-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result 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.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased 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. Increased 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 may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
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.
V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8081B in Water	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	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
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
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East longmeadow, MA 01028

13H1007
Rev 04.05.12

Company Name: Loureiro Engineering Assoc. Telephone: 860 410 6181
Address: 100 Northwest Dr Project # 18HM301.006
Plainville CT Client PO#
Attention: Darby Hittle
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	RCRA 8 + Cu, Ni, Zn	HOLD	# of Containers
01	1287289	8/26/13	1110		✓	S	A		✓	✓				
02	1287290		1112		✓				✓	✓				
03	1287291		1150		✓				✓	✓				
04	1287292		1155		✓				✓	✓				
05	1287293		1215		✓				✓	✓				
06	1287294		1220		✓				✓	✓				
07	1287295		1238		✓		✓	✓	✓	✓		✓		
08	1287296		1255		✓		TJN	✓	✓				✓	
09	1287297		1315		✓		✓	✓	✓	✓		✓		
10	1287298	↓	1320		✓	↓	↓						✓	

ANALYSIS REQUESTED

** Preservation
*** Container Cod
Dissolved Meta
○ 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 bisulfa
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

Comments:

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: 8/26/13 1800	
Received by: (signature)	Date/Time: 8/26/13 1800	
Relinquished by: (signature)	Date/Time: 8/26/13 18:30	
Received by: (signature)	Date/Time: 8/26/13 1830	

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☑ RCP Form Required 8/26/13 1830
○ MA State DW Form Required PWSID #

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WBE/DBE Certified

†† 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.

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CHAIN OF CUSTODY RECORD

13H1007

Rev 04.05.12

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
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East longmeadow, MA 01028

Page ____ of ____

Company Name: Loureiro Engineering Assoc. Telephone: 860 410 6181

Address: 100 Northwest Dr Project # 18HM301.006

Plainville CT Client PO#

Attention: Darby Hittle

Project Location: Oral School Rd Mystic CT

Sampled By: TJN

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #:
Email:
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes ____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	RCRA 8 Cu, Ni, Zn	Hold	# of Containers	** Preservation	***Container Code
11	1287299	8/26/13	1410		✓	S	A		✓	✓						
12	1287300		1415		✓				✓	✓						
13	1287301		1425		✓						✓					
14	1287302		1444		✓		V	✓	✓	✓		✓				
15	1287303		1448		✓		TJN	✓	✓	✓		✓	✓			
16	1287304		1505		✓				✓	✓						
17	1287305		1510		✓				✓	✓						
18	1287306		1515		✓						✓					
19	1287307		1525		✓				✓	✓						
20	1287308	↓	1530		✓	↓	↓		✓	✓						

ANALYSIS REQUESTED

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 bisulfa
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 ____

Comments:

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: 8/26/13 1600	
Received by: (signature) Paul Racicot	Date/Time: 8/26/13 1600	
Relinquished by: (signature) Paul Racicot	Date/Time: 8.26.13 18:30	
Received by: (signature) Rebecca Just	Date/Time: 8/26/13 1830	

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required 8/26/13 1830
○ MA State DW Form Required PWSID # ____

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CHAIN OF CUSTODY RECORD

13H1007
Rev 04.05.12

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East longmeadow, MA 01028

Page____of____

Company Name: Loureiro Engineering Assoc.
Address: 100 Northwest Dr. Plainville CT
Attention: Darby Hittle
Project Location: Oral School Rd ~~Groton~~ Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project # 18HM301.006
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260										# of Containers / ** Preservation / ***Container Cod
21	1287358	8/26/13	0830		✓	S	V	✓										

Dissolved Meta
○ 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 bisulfa
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
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Comments:

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

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[signature]	8/26/13 1600
Received by: (signature) Paul Racicot	Date/Time: 8/26/13 1600
Relinquished by: (signature) Paul Racicot	Date/Time: 8.26.13 18:30
Received by: (signature) Rebecca Hulst 5.6°C 8/26/13	Date/Time: 1830

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☑ RCP Form Required 8/26/13 1830
○ MA State DW Form Required PWSID # _____

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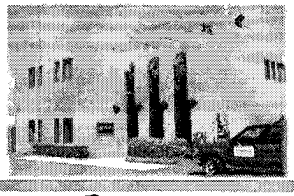

Sample Receipt Checklist

CLIENT NAME: Loureiro RECEIVED BY: RF DATE: 8/26/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

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 _____ Temperature °C by Temp gun 5.6°C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	24
500 mL Amber		4 oz amber/clear jar	2
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	21	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 7
Bisulfate _____ # DI Water 14
Thiosulfate _____ Unpreserved

Time and Date Frozen: 8/26/13 1830

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/28/13
Data File Name	A0828038.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	454708	465392	-2
c - 10	1.56	471834	465392	1
c - 12	2.30	466705	465392	0
c - 14	2.98	476354	465392	2
c - 16	3.58	479465	465392	3
c - 18	4.19	494399	465392	6
o-Terphenyl	4.47	665270	465392	
c - 20	4.81	490283	465392	5
c - 22	5.32	484461	465392	4
c - 24	5.76	476426	465392	2
c - 26	6.16	468985	465392	1
c - 28	6.53	459454	465392	-1
c - 30	6.86	454454	465392	-2
c - 32	7.18	437888	465392	-6
c - 34	7.47	432866	465392	-7
c - 36	7.79	432596	465392	-7

* One compound allowed %D </= 50%

Samples

13H0931-01
13H0931-02
13H0931-03
13H0931-04
13H0931-05
13H0931-06
13H1004-08
13H1007-20
13H0989-01
13H1007-14

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/28/13
Data File Name	A0828039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.24	367013	368667	0
c - 10	1.59	383237	368667	4
c - 12	2.31	378425	368667	3
c - 14	2.98	381304	368667	3
c - 16	3.57	375688	368667	2
c - 18	4.17	380350	368667	3
o-Terphenyl	4.45	509732	368667	
c - 20	4.79	374472	368667	2
c - 22	5.30	372075	368667	1
c - 24	5.73	369977	368667	0
c - 26	6.13	368277	368667	0
c - 28	6.49	364189	368667	-1
c - 30	6.82	363786	368667	-1
c - 32	7.13	352859	368667	-4
c - 34	7.42	349992	368667	-5
c - 36	7.72	348368	368667	-6

* One compound allowed %D </= 50%

Samples

13H1007-01
13H1007-02
13H1007-03
13H1007-04
13H1007-05
13H1007-06
13H1007-07
13H1007-11
13H1007-12
13H1007-16
13H1007-17
13H1007-19

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/30/13
Data File Name	A0830006.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	469452	456060	3
c - 10	1.56	486970	456060	7
c - 12	2.30	469542	456060	3
c - 14	2.98	461238	456060	1
c - 16	3.58	448373	456060	-2
c - 18	4.19	455884	456060	0
o-Terphenyl	4.47	632460	456060	
c - 20	4.81	457888	456060	0
c - 22	5.32	461982	456060	1
c - 24	5.76	462355	456060	1
c - 26	6.16	459589	456060	1
c - 28	6.52	452850	456060	-1
c - 30	6.86	449629	456060	-1
c - 32	7.17	436259	456060	-4
c - 34	7.47	434665	456060	-5
c - 36	7.78	434227	456060	-5

* One compound allowed %D </= 50%

Samples

13H1007-04RE1
13H1007-06RE1
13H1007-07RE1
13H1007-17RE1
13H1007-20RE1
13H1007-09@5X
13H1063-02RE1@5X
B079789-MS2@5X
B079789-MSD2@5X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: Oral School Road, Mystic, CT

Project Number: 13H1007

Laboratory Sample ID(s):

13H1007-01 thru 13H1007-21

Sample Date(s):

08/26/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C, SW-846 7471B, SW-846 8081B, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 09/03/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

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

September 4, 2013

Darby Hittle
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: 240 Oral School Road, Mystic CT
Client Job Number:
Project Number: 18HM301.006
Laboratory Work Order Number: 13H1034

Enclosed are results of analyses for samples received by the laboratory on August 27, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Darby Hittle

REPORT DATE: 9/4/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287309	13H1034-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287310	13H1034-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287312	13H1034-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287313	13H1034-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287314	13H1034-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287315	13H1034-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	

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PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287316	13H1034-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287317	13H1034-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287319	13H1034-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287355	13H1034-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287321	13H1034-14	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287322	13H1034-15	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287354	13H1034-16	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	

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PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287323	13H1034-17	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287360	13H1034-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287361	13H1034-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287363	13H1034-22	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287364	13H1034-23	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287366	13H1034-25	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	
1287367	13H1034-26	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	
1287368	13H1034-27	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	
1287369	13H1034-28	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	

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REPORT DATE: 9/4/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1034

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287370	13H1034-29	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	
1287371	13H1034-30	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8270D	
1287372	13H1034-31	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
1287373	13H1034-32	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
1287352	13H1034-33	Soil		SW-846 8260C	

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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, only RCRA 8 metals, Cu, Ni and Zn were requested and reported.

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

CTDEP ETPH

Qualifications:

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:

CT ETPH

B079750-MS1, B079750-MSD1

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:

o-Terphenyl

13H1034-02[1287310], 13H1034-04[1287312], 13H1034-12[1287355]

SW-846 8082A

Qualifications:

Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C], Aroclor-1260 [2C]

B079732-BS1, B079732-BSD1

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C], Aroclor-1260 [2C]

B079732-MS1, B079732-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C], Aroclor-1260 [2C]

B079732-BS1, B079732-BSD1, B079732-MS1, B079732-MSD1

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample 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.

Analyte & Samples(s) Qualified:

Acetone, Bromomethane

B079830-BS1

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, Carbon Disulfide, Naphthalene

13H1034-01[1287309], B079830-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:

1,2,4-Trimethylbenzene, p-Isopropyltoluene (p-Cymene), sec-Butylbenzene, tert-Butylbenzene

B079830-MS1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

13H1034-01[1287309], 13H1034-02[1287310], 13H1034-04[1287312], 13H1034-05[1287313], 13H1034-06[1287314], 13H1034-07[1287315], 13H1034-08[1287316], 13H1034-09[1287317], 13H1034-11[1287319], 13H1034-12[1287355], 13H1034-14[1287321], 13H1034-22[1287363], 13H1034-23[1287364], 13H1034-31[1287372], 13H1034-32[1287373], 13H1034-33[1287352], B079830-BLK1, B079830-BS1, B079830-MS1

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:

Acetone, Bromomethane

B079830-BS1

SW-846 8270D

Qualifications:

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Fluoranthene, Phenanthrene, Pyrene

13H1034-11[1287319], 13H1034-12[1287355]

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:

3/4-Methylphenol, 4-Chloroaniline

B079751-BSD1, B079861-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-Nitrophenol, Aniline, Di-n-octylphthalate, Hexachlorocyclopentadiene

13H1034-02[1287310], B079751-MS1, B079751-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:

Phenanthrene

13H1034-02[1287310], B079751-MS1, B079751-MSD1

Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.

Analyte & Samples(s) Qualified:

3/4-Methylphenol

B079751-MS1, B079751-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:

Fluoranthene, Pyrene, Pyridine

B079751-MSD1, B079751-MS1

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

13H1034-30[1287371]

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13H1034-01[1287309], 13H1034-02[1287310], 13H1034-04[1287312], 13H1034-05[1287313], 13H1034-06[1287314], 13H1034-07[1287315], 13H1034-08[1287316], 13H1034-09[1287317], 13H1034-11[1287319], 13H1034-11RE1[1287319], 13H1034-12[1287355], 13H1034-12RE1[1287355], 13H1034-14[1287321], 13H1034-15[1287322], 13H1034-16[1287354], 13H1034-17[1287323], 13H1034-19[1287360], 13H1034-20[1287361], 13H1034-22[1287363], 13H1034-23[1287364], 13H1034-25[1287366], 13H1034-26[1287367], 13H1034-27[1287368], 13H1034-28[1287369], 13H1034-29[1287370], 13H1034-30[1287371], B079751-BLK1, B079751-BS1, B079751-BSD1, B079751-MS1, B079751-MSD1, B079861-BLK1, B079861-BS1, B079861-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, 4,6-Dinitro-2-methylphenol

13H1034-20[1287361], 13H1034-26[1287367], B079861-BLK1, B079861-BS1, B079861-BSD1, 13H1034-01[1287309], 13H1034-02[1287310], 13H1034-04[1287312], 13H1034-05[1287313], 13H1034-06[1287314], 13H1034-07[1287315], 13H1034-08[1287316], 13H1034-09[1287317], 13H1034-11[1287319], 13H1034-11RE1[1287319], 13H1034-12[1287355], 13H1034-14[1287321], 13H1034-15[1287322], 13H1034-16[1287354], 13H1034-17[1287323], 13H1034-19[1287360], 13H1034-22[1287363], 13H1034-23[1287364], 13H1034-25[1287366], 13H1034-27[1287368], 13H1034-28[1287369], 13H1034-29[1287370], B079751-BLK1, B079751-BS1, B079751-BSD1, B079751-MS1, B079751-MSD1

SW-846 8270D

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Bromoform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1	MS-07	SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Chlorodibromomethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
2,2-Dichloropropane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
cis-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
trans-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1	MS-07	SW-846 8260C	8/29/13	8/29/13 7:58	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1	MS-07	SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 7:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		8/29/13 7:58
Toluene-d8	95.4	70-130		8/29/13 7:58
4-Bromofluorobenzene	89.3	70-130		8/29/13 7:58

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Acenaphthylene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Aniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Anthracene	0.81	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Benzo(a)anthracene	2.4	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Benzo(a)pyrene	2.2	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Benzo(b)fluoranthene	2.8	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Benzo(g,h,i)perylene	1.5	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Benzo(k)fluoranthene	1.1	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Butylbenzylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Carbazole	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Chloroaniline	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Chloro-3-methylphenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2-Chloronaphthalene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2-Chlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Chrysene	3.0	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Dibenz(a,h)anthracene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Dibenzofuran	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Di-n-butylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
3,3-Dichlorobenzidine	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Diethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Dimethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4-Dinitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Di-n-octylphthalate	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Fluoranthene	5.0	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Fluorene	0.87	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Hexachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Hexachlorobutadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Hexachloroethane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Indeno(1,2,3-cd)pyrene	1.6	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Isophorone	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2-Methylnaphthalene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

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	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
3/4-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Naphthalene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
3-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Nitrobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2-Nitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
4-Nitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Pentachlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Phenanthrene	5.5	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Phenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Pyrene	6.6	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
Pyridine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 19:34	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	68.8	30-130		8/30/13 19:34
Phenol-d6	67.1	30-130		8/30/13 19:34
Nitrobenzene-d5	70.2	30-130		8/30/13 19:34
2-Fluorobiphenyl	72.8	30-130		8/30/13 19:34
2,4,6-Tribromophenol	84.2	30-130		8/30/13 19:34
p-Terphenyl-d14	105	30-130		8/30/13 19:34

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	710	110	mg/Kg dry	10		CTDEP ETPH	8/28/13	8/30/13 19:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	61.1	50-150		8/30/13 19:20

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Barium	51	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Cadmium	0.42	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Chromium	13	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Copper	17	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Lead	66	0.83	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Mercury	0.070	0.028	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 10:55	SAJ
Nickel	7.3	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP
Zinc	69	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 14:57	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287309 Sampled: 8/27/2013 10:05

Sample ID: 13H1034-01

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	88.5		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Acrylonitrile	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Benzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Bromobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Bromodichloromethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Bromoform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Bromomethane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
2-Butanone (MEK)	ND	0.033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
n-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
sec-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
tert-Butylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Carbon Disulfide	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Carbon Tetrachloride	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Chlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Chlorodibromomethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Chloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Chloroform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Chloromethane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
2-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
4-Chlorotoluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2-Dibromoethane (EDB)	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Dibromomethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,3-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,4-Dichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2-Dichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1-Dichloroethylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
cis-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
trans-1,2-Dichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2-Dichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,3-Dichloropropane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
2,2-Dichloropropane	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1-Dichloropropene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
cis-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
trans-1,3-Dichloropropene	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Ethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Hexachlorobutadiene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
2-Hexanone (MBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Isopropylbenzene (Cumene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Methylene Chloride	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
n-Propylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Styrene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.00083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Tetrachloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Tetrahydrofuran	ND	0.0083	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Toluene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2,3-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2,4-Trichlorobenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1,1-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1,2-Trichloroethane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Trichloroethylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2,3-Trichloropropane	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,2,4-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
1,3,5-Trimethylbenzene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
Vinyl Chloride	ND	0.0083	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF
o-Xylene	ND	0.0017	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 8:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	101	70-130		8/29/13 8:26
Toluene-d8	95.2	70-130		8/29/13 8:26
4-Bromofluorobenzene	88.1	70-130		8/29/13 8:26

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Acenaphthylene	1.3	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Aniline	ND	1.6	mg/Kg dry	2	MS-09	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Anthracene	1.5	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Benzo(a)anthracene	7.2	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Benzo(a)pyrene	6.2	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Benzo(b)fluoranthene	7.3	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Benzo(g,h,i)perylene	3.1	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Benzo(k)fluoranthene	2.7	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Butylbenzylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Carbazole	ND	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Chloroaniline	ND	3.1	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Chloro-3-methylphenol	ND	3.1	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2-Chloronaphthalene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2-Chlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Chrysene	8.0	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Dibenz(a,h)anthracene	0.90	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Dibenzofuran	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Di-n-butylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
3,3-Dichlorobenzidine	ND	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Diethylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Dimethylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4-Dinitrophenol	ND	3.1	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Di-n-octylphthalate	ND	3.1	mg/Kg dry	2	MS-09	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Fluoranthene	13	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Fluorene	1.0	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Hexachlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Hexachlorobutadiene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	2	MS-09	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Hexachloroethane	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Indeno(1,2,3-cd)pyrene	3.5	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Isophorone	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2-Methylnaphthalene	ND	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

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	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
3/4-Methylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Naphthalene	ND	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
3-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Nitrobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2-Nitrophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
4-Nitrophenol	ND	3.1	mg/Kg dry	2	MS-09	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Pentachlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Phenanthrene	9.0	0.79	mg/Kg dry	2	MS-12	SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Phenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Pyrene	16	0.79	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
Pyridine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:05	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	68.7	30-130		8/30/13 20:05
Phenol-d6	68.5	30-130		8/30/13 20:05
Nitrobenzene-d5	68.5	30-130		8/30/13 20:05
2-Fluorobiphenyl	71.3	30-130		8/30/13 20:05
2,4,6-Tribromophenol	80.6	30-130		8/30/13 20:05
p-Terphenyl-d14	96.0	30-130		8/30/13 20:05

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	750	230	mg/Kg dry	20		CTDEP ETPH	8/28/13	8/30/13 17:15	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	*	50-150	S-01	8/30/13 17:15

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Barium	46	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Cadmium	0.29	0.29	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Chromium	7.9	0.58	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Copper	14	0.58	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Lead	80	0.87	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Mercury	0.17	0.028	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 10:57	SAJ
Nickel	5.2	0.58	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP
Zinc	84	1.2	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:02	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287310 Sampled: 8/27/2013 10:10

Sample ID: 13H1034-02

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	86.4		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Acrylonitrile	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Benzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Bromobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Bromodichloromethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Bromomethane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
2-Butanone (MEK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
n-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
sec-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
tert-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Carbon Disulfide	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Carbon Tetrachloride	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Chlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Chlorodibromomethane	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Chloroethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Chloroform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Chloromethane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
2-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
4-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Dibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,3-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,4-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
cis-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
trans-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,3-Dichloropropane	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
2,2-Dichloropropane	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
cis-1,3-Dichloropropene	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
trans-1,3-Dichloropropene	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Ethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Hexachlorobutadiene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
2-Hexanone (MBK)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Isopropylbenzene (Cumene)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Methylene Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Naphthalene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
n-Propylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Styrene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.00050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Tetrachloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Tetrahydrofuran	ND	0.0050	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Toluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2,3-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2,4-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1,1-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1,2-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Trichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2,3-Trichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,2,4-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
1,3,5-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
Vinyl Chloride	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
m+p Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF
o-Xylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 9:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	91.6	70-130		8/29/13 9:47
Toluene-d8	96.6	70-130		8/29/13 9:47
4-Bromofluorobenzene	92.7	70-130		8/29/13 9:47

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Acenaphthylene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Aniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Anthracene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Benzo(a)anthracene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Benzo(a)pyrene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Benzo(b)fluoranthene	0.87	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Benzo(g,h,i)perylene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Benzo(k)fluoranthene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Butylbenzylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Carbazole	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Chloroaniline	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2-Chloronaphthalene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2-Chlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Chrysene	0.80	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Dibenz(a,h)anthracene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Dibenzofuran	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Di-n-butylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
3,3-Dichlorobenzidine	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Diethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Dimethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Di-n-octylphthalate	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Fluoranthene	0.90	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Fluorene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Hexachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Hexachlorobutadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Hexachloroethane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Indeno(1,2,3-cd)pyrene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Isophorone	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2-Methylnaphthalene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

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	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
3/4-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Naphthalene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
3-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Nitrobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2-Nitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
4-Nitrophenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Pentachlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Phenanthrene	ND	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Phenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Pyrene	1.2	0.76	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
Pyridine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 20:36	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	66.4	30-130		8/30/13 20:36
Phenol-d6	66.7	30-130		8/30/13 20:36
Nitrobenzene-d5	69.0	30-130		8/30/13 20:36
2-Fluorobiphenyl	72.6	30-130		8/30/13 20:36
2,4,6-Tribromophenol	82.2	30-130		8/30/13 20:36
p-Terphenyl-d14	89.4	30-130		8/30/13 20:36

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	430	220	mg/Kg dry	20		CTDEP ETPH	8/28/13	8/30/13 17:33	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	*	50-150	S-01	8/30/13 17:33

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Barium	50	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Cadmium	0.27	0.27	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Chromium	7.2	0.54	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Copper	14	0.54	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Lead	51	0.81	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Mercury	0.034	0.028	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 10:59	SAJ
Nickel	4.6	0.54	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP
Zinc	56	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:08	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287312 Sampled: 8/27/2013 10:35

Sample ID: 13H1034-04

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	89.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Acrylonitrile	ND	0.0038	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Bromomethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Carbon Disulfide	ND	0.0038	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Chlorodibromomethane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Chloromethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2-Dibromoethane (EDB)	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,3-Dichloropropane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
2,2-Dichloropropane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
cis-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
trans-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Tetrahydrofuran	ND	0.0064	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
Vinyl Chloride	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.6	70-130		8/29/13 10:14
Toluene-d8	101	70-130		8/29/13 10:14
4-Bromofluorobenzene	91.2	70-130		8/29/13 10:14

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Anthracene	0.44	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Benzo(a)anthracene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Benzo(a)pyrene	0.93	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Benzo(b)fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Benzo(g,h,i)perylene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Benzo(k)fluoranthene	0.44	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Carbazole	0.24	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Chrysene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Fluoranthene	2.5	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Indeno(1,2,3-cd)pyrene	0.77	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Phenanthrene	1.8	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Pyrene	2.4	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:24	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	77.2	30-130		8/30/13 16:24
Phenol-d6	76.7	30-130		8/30/13 16:24
Nitrobenzene-d5	79.4	30-130		8/30/13 16:24
2-Fluorobiphenyl	74.5	30-130		8/30/13 16:24
2,4,6-Tribromophenol	85.7	30-130		8/30/13 16:24
p-Terphenyl-d14	95.4	30-130		8/30/13 16:24

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	76	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 18:45	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	58.3	50-150		8/30/13 18:45

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Barium	34	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Cadmium	0.66	0.29	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Chromium	9.7	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Copper	42	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Lead	31	0.86	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Mercury	0.035	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:00	SAJ
Nickel	4.9	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP
Zinc	97	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:13	OP

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

Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287313 | Sampled: 8/27/2013 10:40

Sample ID: 13H1034-05

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	87.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Acrylonitrile	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Bromoform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Bromomethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
n-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Carbon Disulfide	ND	0.0043	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Carbon Tetrachloride	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Chlorodibromomethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Chloromethane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2-Dibromoethane (EDB)	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,3-Dichloropropane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
2,2-Dichloropropane	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
cis-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
trans-1,3-Dichloropropene	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Hexachlorobutadiene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.00071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Tetrahydrofuran	ND	0.0071	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
Vinyl Chloride	ND	0.0071	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 10:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	94.2	70-130		8/29/13 10:42
Toluene-d8	97.7	70-130		8/29/13 10:42
4-Bromofluorobenzene	86.2	70-130		8/29/13 10:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Aniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Benzo(a)anthracene	0.61	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Benzo(a)pyrene	0.56	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Benzo(b)fluoranthene	0.78	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Bis(2-chloroethoxy)methane	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Bis(2-chloroethyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Bis(2-chloroisopropyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Bromophenylphenylether	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Carbazole	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2-Chloronaphthalene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2-Chlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Chlorophenylphenylether	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Chrysene	0.76	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Dibenzofuran	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Di-n-butylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4-Dichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Diethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4-Dimethylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4,6-Dinitro-2-methylphenol	ND	0.77	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,6-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Fluoranthene	1.1	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Hexachlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Hexachlorobutadiene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Hexachlorocyclopentadiene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Hexachloroethane	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Isophorone	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT

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

Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 | Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

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	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
3/4-Methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2-Nitroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
3-Nitroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Nitroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Nitrobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
N-Nitrosodiphenylamine	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
N-Nitrosodi-n-propylamine	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Pentachloronitrobenzene	ND	0.77	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Pentachlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Phenanthrene	0.81	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Phenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Pyrene	1.6	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
Pyridine	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
1,2,4-Trichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4,5-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT
2,4,6-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 21:08	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	54.8	30-130		8/30/13 21:08
Phenol-d6	54.8	30-130		8/30/13 21:08
Nitrobenzene-d5	62.5	30-130		8/30/13 21:08
2-Fluorobiphenyl	61.3	30-130		8/30/13 21:08
2,4,6-Tribromophenol	61.3	30-130		8/30/13 21:08
p-Terphenyl-d14	88.5	30-130		8/30/13 21:08

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	78	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 19:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	63.7	50-150		8/30/13 19:02

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.5	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Barium	48	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Cadmium	0.40	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Chromium	11	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Copper	16	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Lead	46	0.84	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Mercury	0.036	0.027	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:49	SAJ
Nickel	6.6	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP
Zinc	53	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:18	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287314 Sampled: 8/27/2013 11:10

Sample ID: 13H1034-06

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	88.6		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Acrylonitrile	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Benzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromodichloromethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromoform	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromomethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Butanone (MEK)	ND	0.050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
sec-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
tert-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Carbon Disulfide	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chlorodibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloroethane	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloroform	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloromethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
4-Chlorotoluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Dibromomethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,4-Dichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloroethylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
cis-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,2-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2,2-Dichloropropane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
cis-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,3-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Ethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Hexanone (MBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Isopropylbenzene (Cumene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Methylene Chloride	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Naphthalene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
n-Propylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Styrene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Tetrachloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Tetrahydrofuran	ND	0.012	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Toluene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,3-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,4-Trichlorobenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,1-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2-Trichloroethane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Trichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,3-Trichloropropane	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,4-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3,5-Trimethylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Vinyl Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
m+p Xylene	ND	0.0050	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
o-Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.8	70-130		8/29/13 11:36
Toluene-d8	96.4	70-130		8/29/13 11:36
4-Bromofluorobenzene	90.3	70-130		8/29/13 11:36

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Benzo(a)pyrene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Benzo(b)fluoranthene	0.34	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Benzo(g,h,i)perylene	0.23	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Chrysene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Fluoranthene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Indeno(1,2,3-cd)pyrene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

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	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Pyrene	0.31	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:20	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	85.5	30-130		8/30/13 15:20
Phenol-d6	85.0	30-130		8/30/13 15:20
Nitrobenzene-d5	85.1	30-130		8/30/13 15:20
2-Fluorobiphenyl	80.3	30-130		8/30/13 15:20
2,4,6-Tribromophenol	93.0	30-130		8/30/13 15:20
p-Terphenyl-d14	103	30-130		8/30/13 15:20

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	32	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 17:15	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	61.9	50-150		8/30/13 17:15

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Barium	47	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Cadmium	0.39	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Chromium	10	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Copper	12	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Lead	30	0.85	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Mercury	0.077	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:50	SAJ
Nickel	5.9	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP
Zinc	55	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:24	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287315 Sampled: 8/27/2013 11:20

Sample ID: 13H1034-07

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	87.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Acrylonitrile	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Bromomethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
n-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Carbon Disulfide	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Carbon Tetrachloride	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chlorodibromomethane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Chloromethane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dibromoethane (EDB)	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3-Dichloropropane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2,2-Dichloropropane	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
cis-1,3-Dichloropropene	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
trans-1,3-Dichloropropene	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Tetrahydrofuran	ND	0.0061	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
Vinyl Chloride	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 11:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.8	70-130		8/29/13 11:36
Toluene-d8	96.4	70-130		8/29/13 11:36
4-Bromofluorobenzene	90.3	70-130		8/29/13 11:36

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Acenaphthylene	1.3	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Aniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Anthracene	0.94	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Benzo(a)anthracene	6.4	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Benzo(a)pyrene	6.3	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Benzo(b)fluoranthene	7.7	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Benzo(g,h,i)perylene	2.8	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Benzo(k)fluoranthene	3.1	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Butylbenzylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Carbazole	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Chloroaniline	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Chloro-3-methylphenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2-Chloronaphthalene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2-Chlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Chrysene	6.9	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Dibenz(a,h)anthracene	0.91	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Dibenzofuran	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Di-n-butylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
3,3-Dichlorobenzidine	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Diethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Dimethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4-Dinitrophenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Di-n-octylphthalate	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Fluoranthene	9.8	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Fluorene	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Hexachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Hexachlorobutadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Hexachloroethane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Indeno(1,2,3-cd)pyrene	3.0	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Isophorone	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2-Methylnaphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

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	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
3/4-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Naphthalene	ND	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
3-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Nitrobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2-Nitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
4-Nitrophenol	ND	2.9	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Pentachlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Phenanthrene	4.4	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Phenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Pyrene	12	0.75	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
Pyridine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 21:39	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	82.9	30-130		8/30/13 21:39
Phenol-d6	76.8	30-130		8/30/13 21:39
Nitrobenzene-d5	86.0	30-130		8/30/13 21:39
2-Fluorobiphenyl	89.0	30-130		8/30/13 21:39
2,4,6-Tribromophenol	85.6	30-130		8/30/13 21:39
p-Terphenyl-d14	101	30-130		8/30/13 21:39

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	920	220	mg/Kg dry	10		CTDEP ETPH	8/28/13	8/30/13 19:56	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	77.5	50-150		8/30/13 19:56

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Barium	45	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Chromium	8.3	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Copper	13	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Lead	35	0.84	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:52	SAJ
Nickel	5.9	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP
Zinc	40	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:29	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287316 Sampled: 8/27/2013 11:35

Sample ID: 13H1034-08

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	89.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Acrylonitrile	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Bromoform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Bromomethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Chlorodibromomethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Chloromethane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2-Dibromoethane (EDB)	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,3-Dichloropropane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
2,2-Dichloropropane	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
cis-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
trans-1,3-Dichloropropene	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.00092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Tetrahydrofuran	ND	0.0092	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
Vinyl Chloride	ND	0.0092	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	99.0	70-130		8/29/13 12:04
Toluene-d8	98.2	70-130		8/29/13 12:04
4-Bromofluorobenzene	94.0	70-130		8/29/13 12:04

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

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 8270D	8/28/13	9/3/13 16:59	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 16:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	73.6	30-130		9/3/13 16:59
Phenol-d6	71.2	30-130		9/3/13 16:59
Nitrobenzene-d5	80.0	30-130		9/3/13 16:59
2-Fluorobiphenyl	76.1	30-130		9/3/13 16:59
2,4,6-Tribromophenol	83.1	30-130		9/3/13 16:59
p-Terphenyl-d14	96.7	30-130		9/3/13 16:59

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	23	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 16:21	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.7	50-150		8/30/13 16:21

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Barium	42	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Chromium	11	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Copper	8.7	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Lead	27	0.86	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Mercury	0.049	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:53	SAJ
Nickel	4.8	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP
Zinc	31	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:34	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287317 Sampled: 8/27/2013 11:45

Sample ID: 13H1034-09

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	87.5		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Bromoform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Bromomethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Chlorodibromomethane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Chloromethane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2-Dibromoethane (EDB)	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,3-Dichloropropane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
2,2-Dichloropropane	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
cis-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
trans-1,3-Dichloropropene	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.00064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Tetrahydrofuran	ND	0.0064	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
Vinyl Chloride	ND	0.0064	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	96.6	70-130		8/29/13 12:31
Toluene-d8	96.6	70-130		8/29/13 12:31
4-Bromofluorobenzene	92.2	70-130		8/29/13 12:31

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.47	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Acenaphthene	ND	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Acenaphthylene	1.3	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Acenaphthylene	1.3	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Aniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Aniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Anthracene	1.8	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Anthracene	1.8	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Benzo(a)anthracene	7.0	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Benzo(a)anthracene	7.0	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Benzo(a)pyrene	6.2	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Benzo(a)pyrene	6.3	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Benzo(b)fluoranthene	7.4	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Benzo(b)fluoranthene	7.6	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Benzo(g,h,i)perylene	2.7	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Benzo(g,h,i)perylene	2.6	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Benzo(k)fluoranthene	2.6	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Benzo(k)fluoranthene	2.7	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Bis(2-chloroethoxy)methane	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Bis(2-chloroethoxy)methane	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Bis(2-chloroethyl)ether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Bis(2-chloroethyl)ether	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Bis(2-chloroisopropyl)ether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Bis(2-Ethylhexyl)phthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Bromophenylphenylether	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Bromophenylphenylether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Butylbenzylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Butylbenzylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Carbazole	ND	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Carbazole	0.73	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Chloroaniline	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Chloro-3-methylphenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2-Chloronaphthalene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Chloronaphthalene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2-Chlorophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Chlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
4-Chlorophenylphenylether	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Chlorophenylphenylether	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Chrysene	7.4	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Chrysene	7.3	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.84	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Dibenz(a,h)anthracene	0.87	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Dibenzofuran	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Dibenzofuran	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Di-n-butylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Di-n-butylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
3,3-Dichlorobenzidine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
3,3-Dichlorobenzidine	ND	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,4-Dichlorophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4-Dichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Diethylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Diethylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4-Dimethylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4-Dimethylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Dimethylphthalate	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Dimethylphthalate	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4,6-Dinitro-2-methylphenol	ND	0.78	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4,6-Dinitro-2-methylphenol	ND	1.6	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4-Dinitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,4-Dinitrotoluene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4-Dinitrotoluene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,6-Dinitrotoluene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,6-Dinitrotoluene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Di-n-octylphthalate	ND	3.1	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Fluoranthene	13	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Fluoranthene	11	0.39	mg/Kg dry	1	E	SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Fluorene	1.1	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Fluorene	1.1	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Hexachlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Hexachlorobenzene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Hexachlorobutadiene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Hexachlorobutadiene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Hexachlorocyclopentadiene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Hexachloroethane	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Hexachloroethane	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Indeno(1,2,3-cd)pyrene	2.9	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Indeno(1,2,3-cd)pyrene	3.0	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Isophorone	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Isophorone	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Methylnaphthalene	ND	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2-Methylnaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

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	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Methylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
3/4-Methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
3/4-Methylphenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Naphthalene	ND	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Naphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Nitroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
3-Nitroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
3-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
4-Nitroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Nitroaniline	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Nitrobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Nitrobenzene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2-Nitrophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
4-Nitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
N-Nitrosodiphenylamine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
N-Nitrosodiphenylamine	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
N-Nitrosodi-n-propylamine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
N-Nitrosodi-n-propylamine	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Pentachloronitrobenzene	ND	1.6	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Pentachloronitrobenzene	ND	0.78	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Pentachlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Pentachlorophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Phenanthrene	8.9	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Phenanthrene	8.6	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Phenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Phenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Pyrene	16	0.78	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Pyrene	15	0.39	mg/Kg dry	1	E	SW-846 8270D	8/28/13	8/30/13 22:10	CDT
Pyridine	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
Pyridine	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
1,2,4-Trichlorobenzene	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
1,2,4-Trichlorobenzene	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,4,5-Trichlorophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4,5-Trichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL
2,4,6-Trichlorophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 22:10	CDT
2,4,6-Trichlorophenol	ND	1.6	mg/Kg dry	2		SW-846 8270D	8/28/13	9/3/13 17:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag**				
2-Fluorophenol		71.5	30-130					8/30/13 22:10	
2-Fluorophenol		70.7	30-130					9/3/13 17:30	
Phenol-d6		69.7	30-130					9/3/13 17:30	
Phenol-d6		71.4	30-130					8/30/13 22:10	
Nitrobenzene-d5		74.6	30-130					9/3/13 17:30	
Nitrobenzene-d5		72.1	30-130					8/30/13 22:10	
2-Fluorobiphenyl		74.8	30-130					9/3/13 17:30	
2-Fluorobiphenyl		78.1	30-130					8/30/13 22:10	
2,4,6-Tribromophenol		88.2	30-130					8/30/13 22:10	
2,4,6-Tribromophenol		84.7	30-130					9/3/13 17:30	
p-Terphenyl-d14		102	30-130					9/3/13 17:30	
p-Terphenyl-d14		93.8	30-130					8/30/13 22:10	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

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Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	180	58	mg/Kg dry	5		CTDEP ETPH	8/28/13	8/30/13 18:09	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	65.1	50-150		8/30/13 18:09

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Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Barium	53	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Chromium	11	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Copper	12	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Lead	41	0.84	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Mercury	0.049	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:55	SAJ
Nickel	6.4	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP
Zinc	56	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 15:40	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287319 Sampled: 8/27/2013 12:10

Sample ID: 13H1034-11

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	86.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Acrylonitrile	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Benzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Bromobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Bromodichloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Bromomethane	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
2-Butanone (MEK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
n-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
sec-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
tert-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Carbon Disulfide	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Carbon Tetrachloride	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Chlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Chlorodibromomethane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Chloroethane	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Chloroform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Chloromethane	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
2-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
4-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2-Dibromoethane (EDB)	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Dibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,3-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,4-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
trans-1,4-Dichloro-2-butene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
cis-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
trans-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,3-Dichloropropane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
2,2-Dichloropropane	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
cis-1,3-Dichloropropene	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
trans-1,3-Dichloropropene	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Ethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Hexachlorobutadiene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
2-Hexanone (MBK)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Isopropylbenzene (Cumene)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Methylene Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Naphthalene	0.0033	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
n-Propylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Styrene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.00056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Tetrachloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Tetrahydrofuran	ND	0.0056	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Toluene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2,3-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2,4-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1,1-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1,2-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Trichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2,3-Trichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,2,4-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
1,3,5-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
Vinyl Chloride	ND	0.0056	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
m+p Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF
o-Xylene	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 12:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	99.8	70-130		8/29/13 12:59
Toluene-d8	98.9	70-130		8/29/13 12:59
4-Bromofluorobenzene	94.8	70-130		8/29/13 12:59

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Acenaphthene	1.0	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Acenaphthylene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Acenaphthylene	2.5	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Aniline	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Aniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Anthracene	4.4	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Anthracene	4.1	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Benzo(a)anthracene	20	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Benzo(a)anthracene	17	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Benzo(a)pyrene	17	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Benzo(a)pyrene	13	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Benzo(b)fluoranthene	18	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Benzo(b)fluoranthene	16	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Benzo(g,h,i)perylene	5.8	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Benzo(g,h,i)perylene	6.1	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Benzo(k)fluoranthene	6.9	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Benzo(k)fluoranthene	5.9	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Bis(2-chloroethoxy)methane	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Bis(2-chloroethoxy)methane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Bis(2-chloroethyl)ether	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Bis(2-chloroethyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Bis(2-chloroisopropyl)ether	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Bis(2-chloroisopropyl)ether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Bis(2-Ethylhexyl)phthalate	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
4-Bromophenylphenylether	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Bromophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Butylbenzylphthalate	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Carbazole	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Carbazole	1.4	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
4-Chloroaniline	ND	15	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Chloroaniline	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
4-Chloro-3-methylphenol	ND	15	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Chloro-3-methylphenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Chloronaphthalene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Chloronaphthalene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2-Chlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Chlorophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Chlorophenylphenylether	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Chlorophenylphenylether	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Chrysene	21	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Chrysene	18	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Dibenz(a,h)anthracene	1.9	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Dibenzofuran	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Dibenzofuran	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Di-n-butylphthalate	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Di-n-butylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
3,3-Dichlorobenzidine	ND	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
3,3-Dichlorobenzidine	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,4-Dichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dichlorophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Diethylphthalate	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Diethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dimethylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dimethylphenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Dimethylphthalate	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
4,6-Dinitro-2-methylphenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4,6-Dinitro-2-methylphenol	ND	1.5	mg/Kg dry	2	V-19	SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dinitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dinitrophenol	ND	15	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,4-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4-Dinitrotoluene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,6-Dinitrotoluene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,6-Dinitrotoluene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Di-n-octylphthalate	ND	15	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Di-n-octylphthalate	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Fluoranthene	38	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Fluoranthene	28	0.77	mg/Kg dry	2	E	SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Fluorene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Fluorene	2.8	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Hexachlorobenzene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Hexachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Hexachlorobutadiene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Hexachlorobutadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Hexachlorocyclopentadiene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Hexachlorocyclopentadiene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Hexachloroethane	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Hexachloroethane	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Indeno(1,2,3-cd)pyrene	7.2	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Indeno(1,2,3-cd)pyrene	6.3	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Isophorone	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Isophorone	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Methylnaphthalene	0.82	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Methylnaphthalene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

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	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Methylphenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
3/4-Methylphenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
3/4-Methylphenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Naphthalene	ND	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Naphthalene	ND	0.77	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Nitroaniline	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
3-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
3-Nitroaniline	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Nitroaniline	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
4-Nitroaniline	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Nitrobenzene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Nitrobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Nitrophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2-Nitrophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Nitrophenol	ND	15	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
4-Nitrophenol	ND	3.0	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
N-Nitrosodiphenylamine	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
N-Nitrosodiphenylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
N-Nitrosodi-n-propylamine	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
N-Nitrosodi-n-propylamine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Pentachloronitrobenzene	ND	7.7	mg/Kg dry	10	V-16	SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Pentachloronitrobenzene	ND	1.5	mg/Kg dry	2	V-16	SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Pentachlorophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Pentachlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Phenanthrene	25	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Phenanthrene	21	0.77	mg/Kg dry	2	E	SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Phenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Phenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Pyrene	35	3.8	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Pyrene	36	0.77	mg/Kg dry	2	E	SW-846 8270D	8/28/13	8/30/13 22:41	CDT
Pyridine	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
Pyridine	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
1,2,4,5-Tetrachlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
1,2,4,5-Tetrachlorobenzene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
1,2,4-Trichlorobenzene	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
1,2,4-Trichlorobenzene	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,4,5-Trichlorophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,4,5-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT
2,4,6-Trichlorophenol	ND	7.7	mg/Kg dry	10		SW-846 8270D	8/28/13	9/4/13 11:28	BGL
2,4,6-Trichlorophenol	ND	1.5	mg/Kg dry	2		SW-846 8270D	8/28/13	8/30/13 22:41	CDT

Surrogates	% Recovery	Recovery Limits	Flag

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag**				
2-Fluorophenol		67.9	30-130					8/30/13 22:41	
2-Fluorophenol		72.0	30-130					9/4/13 11:28	
Phenol-d6		73.2	30-130					9/4/13 11:28	
Phenol-d6		68.5	30-130					8/30/13 22:41	
Nitrobenzene-d5		64.2	30-130					9/4/13 11:28	
Nitrobenzene-d5		68.0	30-130					8/30/13 22:41	
2-Fluorobiphenyl		73.8	30-130					8/30/13 22:41	
2-Fluorobiphenyl		82.2	30-130					9/4/13 11:28	
2,4,6-Tribromophenol		80.0	30-130					8/30/13 22:41	
2,4,6-Tribromophenol		119	30-130					9/4/13 11:28	
p-Terphenyl-d14		91.8	30-130					9/4/13 11:28	
p-Terphenyl-d14		91.6	30-130					8/30/13 22:41	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	910	230	mg/Kg dry	20		CTDEP ETPH	8/28/13	8/30/13 18:27	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	*	50-150	S-01	8/30/13 18:27

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Barium	57	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Cadmium	0.34	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Chromium	13	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Copper	12	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Lead	27	0.85	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Mercury	ND	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:57	SAJ
Nickel	6.8	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP
Zinc	41	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:10	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287355 Sampled: 8/27/2013 12:11

Sample ID: 13H1034-12

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	87.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.33	0.10	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Acrylonitrile	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Benzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Bromobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Bromodichloromethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Bromoform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
2-Butanone (MEK)	0.072	0.041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
n-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Carbon Disulfide	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Carbon Tetrachloride	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Chlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Chloroethane	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Dibromomethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
2,2-Dichloropropane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Ethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Hexachlorobutadiene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Methylene Chloride	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
n-Propylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Styrene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Toluene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Trichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF
o-Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:26	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		8/29/13 13:26
Toluene-d8	94.1	70-130		8/29/13 13:26
4-Bromofluorobenzene	90.5	70-130		8/29/13 13:26

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Benzo(a)anthracene	0.24	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Benzo(a)pyrene	0.26	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Benzo(b)fluoranthene	0.37	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Benzo(g,h,i)perylene	0.21	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Chloroaniline	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Chrysene	0.36	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Di-n-octylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Fluoranthene	0.51	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Indeno(1,2,3-cd)pyrene	0.24	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

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	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Phenanthrene	0.37	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Pyrene	0.67	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:28	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	78.2	30-130		8/30/13 17:28
Phenol-d6	80.1	30-130		8/30/13 17:28
Nitrobenzene-d5	78.6	30-130		8/30/13 17:28
2-Fluorobiphenyl	81.9	30-130		8/30/13 17:28
2,4,6-Tribromophenol	85.9	30-130		8/30/13 17:28
p-Terphenyl-d14	95.4	30-130		8/30/13 17:28

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	130	59	mg/Kg dry	5		CTDEP ETPH	8/28/13	9/3/13 13:05	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.3	50-150		9/3/13 13:05

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.2	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Barium	74	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Cadmium	0.55	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Chromium	12	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Copper	19	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Lead	110	0.85	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Mercury	0.072	0.029	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 10:58	SAJ
Nickel	5.3	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP
Zinc	120	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:15	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287321 Sampled: 8/27/2013 12:20

Sample ID: 13H1034-14

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	84.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287322 Sampled: 8/27/2013 13:20

Sample ID: 13H1034-15

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Acenaphthylene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Benzo(a)anthracene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Benzo(a)pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Benzo(b)fluoranthene	1.3	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Benzo(g,h,i)perylene	0.67	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Benzo(k)fluoranthene	0.44	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Chrysene	1.3	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Dibenz(a,h)anthracene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Fluoranthene	1.9	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Indeno(1,2,3-cd)pyrene	0.74	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT

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

Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287322 | Sampled: 8/27/2013 13:20

Sample ID: 13H1034-15

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	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Phenanthrene	0.99	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Pyrene	2.5	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 17:59	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.0	30-130		8/30/13 17:59
Phenol-d6	71.0	30-130		8/30/13 17:59
Nitrobenzene-d5	75.7	30-130		8/30/13 17:59
2-Fluorobiphenyl	76.3	30-130		8/30/13 17:59
2,4,6-Tribromophenol	91.2	30-130		8/30/13 17:59
p-Terphenyl-d14	102	30-130		8/30/13 17:59

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287322 Sampled: 8/27/2013 13:20

Sample ID: 13H1034-15

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	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:04	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.3	30-150		8/28/13 23:04
Decachlorobiphenyl [2]	127	30-150		8/28/13 23:04
Tetrachloro-m-xylene [1]	82.6	30-150		8/28/13 23:04
Tetrachloro-m-xylene [2]	117	30-150		8/28/13 23:04

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287322 Sampled: 8/27/2013 13:20

Sample ID: 13H1034-15

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	58	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 18:27	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	66.5	50-150		8/30/13 18:27

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287322 Sampled: 8/27/2013 13:20

Sample ID: 13H1034-15

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	91.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287354 Sampled: 8/27/2013 13:21

Sample ID: 13H1034-16

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Acenaphthylene	0.39	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Aniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Benzo(a)anthracene	1.8	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Benzo(a)pyrene	1.7	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Benzo(b)fluoranthene	2.2	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Benzo(g,h,i)perylene	0.75	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Benzo(k)fluoranthene	0.80	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Carbazole	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2-Chloronaphthalene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2-Chlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Chrysene	2.1	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Dibenz(a,h)anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Dibenzofuran	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Di-n-butylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Diethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Fluoranthene	2.9	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Fluorene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Hexachlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Hexachlorobutadiene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Hexachlorocyclopentadiene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Hexachloroethane	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Indeno(1,2,3-cd)pyrene	0.83	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Isophorone	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2-Methylnaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287354 Sampled: 8/27/2013 13:21

Sample ID: 13H1034-16

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	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
3/4-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Naphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
3-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Nitrobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
N-Nitrosodiphenylamine	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Pentachlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Phenanthrene	1.3	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Phenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Pyrene	3.6	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
Pyridine	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 23:12	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	69.6	30-130		8/30/13 23:12
Phenol-d6	65.5	30-130		8/30/13 23:12
Nitrobenzene-d5	75.0	30-130		8/30/13 23:12
2-Fluorobiphenyl	74.7	30-130		8/30/13 23:12
2,4,6-Tribromophenol	82.2	30-130		8/30/13 23:12
p-Terphenyl-d14	94.8	30-130		8/30/13 23:12

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287354 Sampled: 8/27/2013 13:21

Sample ID: 13H1034-16

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	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		8/28/13 23:17
Decachlorobiphenyl [2]	141	30-150		8/28/13 23:17
Tetrachloro-m-xylene [1]	85.2	30-150		8/28/13 23:17
Tetrachloro-m-xylene [2]	120	30-150		8/28/13 23:17

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287354 Sampled: 8/27/2013 13:21

Sample ID: 13H1034-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	260	110	mg/Kg dry	10		CTDEP ETPH	8/28/13	8/30/13 18:45	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	80.4	50-150		8/30/13 18:45

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287354 Sampled: 8/27/2013 13:21

Sample ID: 13H1034-16

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	90.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287323 Sampled: 8/27/2013 13:25

Sample ID: 13H1034-17

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 8270D	8/28/13	8/30/13 18:31	CDT
Acenaphthylene	0.30	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Benzo(a)anthracene	1.1	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Benzo(a)pyrene	1.3	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Benzo(b)fluoranthene	1.6	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Benzo(g,h,i)perylene	0.87	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Benzo(k)fluoranthene	0.61	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Chrysene	1.7	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Dibenz(a,h)anthracene	0.21	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Fluoranthene	2.4	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Indeno(1,2,3-cd)pyrene	0.96	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287323 Sampled: 8/27/2013 13:25

Sample ID: 13H1034-17

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Phenanthrene	1.4	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Pyrene	3.2	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 18:31	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	71.1	30-130		8/30/13 18:31
Phenol-d6	72.6	30-130		8/30/13 18:31
Nitrobenzene-d5	73.8	30-130		8/30/13 18:31
2-Fluorobiphenyl	76.1	30-130		8/30/13 18:31
2,4,6-Tribromophenol	84.9	30-130		8/30/13 18:31
p-Terphenyl-d14	91.4	30-130		8/30/13 18:31

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Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287323 | Sampled: 8/27/2013 13:25

Sample ID: 13H1034-17

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	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:30	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		8/28/13 23:30
Decachlorobiphenyl [2]	148	30-150		8/28/13 23:30
Tetrachloro-m-xylene [1]	89.3	30-150		8/28/13 23:30
Tetrachloro-m-xylene [2]	127	30-150		8/28/13 23:30

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287323 Sampled: 8/27/2013 13:25

Sample ID: 13H1034-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	210	120	mg/Kg dry	10		CTDEP ETPH	8/28/13	8/30/13 19:02	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	83.4	50-150		8/30/13 19:02

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287323 Sampled: 8/27/2013 13:25

Sample ID: 13H1034-17

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
% Solids	86.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287360 Sampled: 8/27/2013 13:40

Sample ID: 13H1034-19

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Benzo(a)anthracene	0.45	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Benzo(a)pyrene	0.58	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Benzo(b)fluoranthene	0.72	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Benzo(g,h,i)perylene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Benzo(k)fluoranthene	0.28	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Chrysene	0.49	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Fluoranthene	0.66	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Indeno(1,2,3-cd)pyrene	0.46	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287360 Sampled: 8/27/2013 13:40

Sample ID: 13H1034-19

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 8270D	8/28/13	8/30/13 15:52	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Phenanthrene	0.59	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Pyrene	0.88	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 15:52	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	74.1	30-130		8/30/13 15:52
Phenol-d6	73.4	30-130		8/30/13 15:52
Nitrobenzene-d5	75.6	30-130		8/30/13 15:52
2-Fluorobiphenyl	73.9	30-130		8/30/13 15:52
2,4,6-Tribromophenol	88.4	30-130		8/30/13 15:52
p-Terphenyl-d14	99.2	30-130		8/30/13 15:52

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287360 Sampled: 8/27/2013 13:40

Sample ID: 13H1034-19

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	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:42	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.1	30-150		8/28/13 23:42
Decachlorobiphenyl [2]	127	30-150		8/28/13 23:42
Tetrachloro-m-xylene [1]	79.0	30-150		8/28/13 23:42
Tetrachloro-m-xylene [2]	112	30-150		8/28/13 23:42

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287360 Sampled: 8/27/2013 13:40

Sample ID: 13H1034-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	79	54	mg/Kg dry	5		CTDEP ETPH	8/28/13	8/30/13 19:20	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	69.1	50-150		8/30/13 19:20

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287360 Sampled: 8/27/2013 13:40

Sample ID: 13H1034-19

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
% Solids	91.8		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287361 Sampled: 8/27/2013 13:50

Sample ID: 13H1034-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287361 Sampled: 8/27/2013 13:50

Sample ID: 13H1034-20

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	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 21:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	86.5	30-130		9/3/13 21:28
Phenol-d6	84.5	30-130		9/3/13 21:28
Nitrobenzene-d5	83.7	30-130		9/3/13 21:28
2-Fluorobiphenyl	79.9	30-130		9/3/13 21:28
2,4,6-Tribromophenol	97.1	30-130		9/3/13 21:28
p-Terphenyl-d14	87.4	30-130		9/3/13 21:28

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287361 Sampled: 8/27/2013 13:50

Sample ID: 13H1034-20

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	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/28/13	8/28/13 23:55	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		8/28/13 23:55
Decachlorobiphenyl [2]	137	30-150		8/28/13 23:55
Tetrachloro-m-xylene [1]	88.1	30-150		8/28/13 23:55
Tetrachloro-m-xylene [2]	126	30-150		8/28/13 23:55

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Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287361 | Sampled: 8/27/2013 13:50

Sample ID: 13H1034-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 16:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	63.9	50-150		8/30/13 16:03

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287361 Sampled: 8/27/2013 13:50

Sample ID: 13H1034-20

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
% Solids	88.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Acrylonitrile	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Bromoform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Bromomethane	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
2-Butanone (MEK)	ND	0.033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Carbon Disulfide	ND	0.0049	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Chlorodibromomethane	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Chloroform	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Chloromethane	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2-Dibromoethane (EDB)	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
trans-1,4-Dichloro-2-butene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1-Dichloroethylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,3-Dichloropropane	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
2,2-Dichloropropane	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
cis-1,3-Dichloropropene	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
trans-1,3-Dichloropropene	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Naphthalene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.00082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Tetrahydrofuran	ND	0.0082	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
Vinyl Chloride	ND	0.0082	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
m+p Xylene	ND	0.0033	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 13:54	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	101	70-130		8/29/13 13:54
Toluene-d8	96.1	70-130		8/29/13 13:54
4-Bromofluorobenzene	90.8	70-130		8/29/13 13:54

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Benzo(a)anthracene	0.74	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Benzo(a)pyrene	0.90	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Benzo(b)fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Benzo(g,h,i)perylene	0.73	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Benzo(k)fluoranthene	0.39	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Chrysene	0.83	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Dibenz(a,h)anthracene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Fluoranthene	1.4	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Indeno(1,2,3-cd)pyrene	0.74	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

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	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Phenanthrene	0.97	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Pyrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 16:56	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.7	30-130		8/30/13 16:56
Phenol-d6	73.6	30-130		8/30/13 16:56
Nitrobenzene-d5	72.6	30-130		8/30/13 16:56
2-Fluorobiphenyl	76.6	30-130		8/30/13 16:56
2,4,6-Tribromophenol	91.9	30-130		8/30/13 16:56
p-Terphenyl-d14	98.2	30-130		8/30/13 16:56

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	150	55	mg/Kg dry	5		CTDEP ETPH	8/28/13	8/30/13 19:38	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	67.4	50-150		8/30/13 19:38

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Barium	37	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Chromium	8.9	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Copper	11	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Lead	23	0.82	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:00	SAJ
Nickel	6.2	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP
Zinc	34	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:19	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287363 Sampled: 8/27/2013 14:10

Sample ID: 13H1034-22

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
% Solids	91.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

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		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Acrylonitrile	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Bromoform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Bromomethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
2-Butanone (MEK)	ND	0.041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Carbon Disulfide	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Chloroform	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Chloromethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1-Dichloroethylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
2,2-Dichloropropane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Naphthalene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Tetrahydrofuran	ND	0.010	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
Vinyl Chloride	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
m+p Xylene	ND	0.0041	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		8/29/13 14:21
Toluene-d8	97.4	70-130		8/29/13 14:21
4-Bromofluorobenzene	88.3	70-130		8/29/13 14:21

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Fluoranthene	0.22	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

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	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Pyrene	0.25	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 18:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	77.6	30-130		9/3/13 18:30
Phenol-d6	75.3	30-130		9/3/13 18:30
Nitrobenzene-d5	81.8	30-130		9/3/13 18:30
2-Fluorobiphenyl	76.6	30-130		9/3/13 18:30
2,4,6-Tribromophenol	75.8	30-130		9/3/13 18:30
p-Terphenyl-d14	83.3	30-130		9/3/13 18:30

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	56	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 16:39	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	64.2	50-150		8/30/13 16:39

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Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Barium	52	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Cadmium	0.31	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Chromium	8.3	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Copper	12	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Lead	32	0.83	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Mercury	0.069	0.029	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:02	SAJ
Nickel	4.2	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP
Zinc	58	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:25	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287364 Sampled: 8/27/2013 14:20

Sample ID: 13H1034-23

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
% Solids	86.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287366 Sampled: 8/27/2013 14:35

Sample ID: 13H1034-25

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 8270D	8/28/13	8/30/13 19:02	CDT
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287366 Sampled: 8/27/2013 14:35

Sample ID: 13H1034-25

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 8270D	8/28/13	8/30/13 19:02	CDT
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	8/30/13 19:02	CDT

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	74.3	30-130		8/30/13 19:02
Phenol-d6	73.0	30-130		8/30/13 19:02
Nitrobenzene-d5	79.1	30-130		8/30/13 19:02
2-Fluorobiphenyl	82.1	30-130		8/30/13 19:02
2,4,6-Tribromophenol	97.6	30-130		8/30/13 19:02
p-Terphenyl-d14	106	30-130		8/30/13 19:02

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287366 Sampled: 8/27/2013 14:35

Sample ID: 13H1034-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Barium	68	2.8	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Cadmium	0.38	0.28	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Chromium	9.1	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Copper	17	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Lead	190	0.84	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Mercury	0.30	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:03	SAJ
Nickel	4.3	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP
Zinc	67	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:30	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287366 Sampled: 8/27/2013 14:35

Sample ID: 13H1034-25

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
% Solids	88.2		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287367 Sampled: 8/27/2013 14:45

Sample ID: 13H1034-26

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 8270D	8/28/13	9/3/13 22:00	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-19	SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287367 Sampled: 8/27/2013 14:45

Sample ID: 13H1034-26

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 8270D	8/28/13	9/3/13 22:00	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/28/13	9/3/13 22:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	83.3	30-130		9/3/13 22:00
Phenol-d6	82.6	30-130		9/3/13 22:00
Nitrobenzene-d5	80.1	30-130		9/3/13 22:00
2-Fluorobiphenyl	84.4	30-130		9/3/13 22:00
2,4,6-Tribromophenol	96.6	30-130		9/3/13 22:00
p-Terphenyl-d14	92.1	30-130		9/3/13 22:00

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287367 Sampled: 8/27/2013 14:45

Sample ID: 13H1034-26

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Barium	20	2.9	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Chromium	7.2	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Copper	6.4	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Lead	13	0.86	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:09	SAJ
Nickel	4.1	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP
Zinc	53	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:35	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287367 Sampled: 8/27/2013 14:45

Sample ID: 13H1034-26

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
% Solids	87.0		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287368 Sampled: 8/27/2013 15:00

Sample ID: 13H1034-27

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 8270D	8/29/13	9/3/13 19:00	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287368 Sampled: 8/27/2013 15:00

Sample ID: 13H1034-27

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	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	95.0	30-130		9/3/13 19:00
Phenol-d6	92.9	30-130		9/3/13 19:00
Nitrobenzene-d5	94.1	30-130		9/3/13 19:00
2-Fluorobiphenyl	102	30-130		9/3/13 19:00
2,4,6-Tribromophenol	102	30-130		9/3/13 19:00
p-Terphenyl-d14	109	30-130		9/3/13 19:00

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287368 Sampled: 8/27/2013 15:00

Sample ID: 13H1034-27

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Barium	140	2.7	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Chromium	11	0.53	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Copper	8.9	0.53	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Lead	33	0.80	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Mercury	0.027	0.027	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:11	SAJ
Nickel	4.7	0.53	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP
Zinc	67	1.1	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:40	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287368 Sampled: 8/27/2013 15:00

Sample ID: 13H1034-27

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
% Solids	90.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287369 Sampled: 8/27/2013 15:15

Sample ID: 13H1034-28

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 8270D	8/29/13	9/3/13 19:30	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Aniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Chloroaniline	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Chloro-3-methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4-Dinitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Di-n-octylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287369 Sampled: 8/27/2013 15:15

Sample ID: 13H1034-28

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	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
4-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 19:30	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	65.2	30-130		9/3/13 19:30
Phenol-d6	66.1	30-130		9/3/13 19:30
Nitrobenzene-d5	76.6	30-130		9/3/13 19:30
2-Fluorobiphenyl	72.6	30-130		9/3/13 19:30
2,4,6-Tribromophenol	77.3	30-130		9/3/13 19:30
p-Terphenyl-d14	91.0	30-130		9/3/13 19:30

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287369 Sampled: 8/27/2013 15:15

Sample ID: 13H1034-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.0	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Barium	67	3.0	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Cadmium	0.40	0.30	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Chromium	10	0.60	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Copper	17	0.60	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Lead	82	0.90	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Mercury	0.11	0.029	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:12	SAJ
Nickel	6.3	0.60	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP
Zinc	110	1.2	mg/Kg dry	1		SW-846 6010C	8/28/13	8/29/13 16:45	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287369 Sampled: 8/27/2013 15:15

Sample ID: 13H1034-28

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
% Solids	83.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287370 Sampled: 8/27/2013 15:30

Sample ID: 13H1034-29

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287370 Sampled: 8/27/2013 15:30

Sample ID: 13H1034-29

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	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/3/13 20:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	82.2	30-130		9/3/13 20:00
Phenol-d6	81.2	30-130		9/3/13 20:00
Nitrobenzene-d5	89.6	30-130		9/3/13 20:00
2-Fluorobiphenyl	89.2	30-130		9/3/13 20:00
2,4,6-Tribromophenol	82.8	30-130		9/3/13 20:00
p-Terphenyl-d14	103	30-130		9/3/13 20:00

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287370 Sampled: 8/27/2013 15:30

Sample ID: 13H1034-29

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Barium	48	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Cadmium	0.31	0.27	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Chromium	15	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Copper	13	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Lead	11	0.81	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Mercury	0.030	0.028	mg/Kg dry	1		SW-846 7471B	8/29/13	8/30/13 11:14	SAJ
Nickel	7.7	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP
Zinc	30	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:15	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287370 Sampled: 8/27/2013 15:30

Sample ID: 13H1034-29

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
% Solids	87.7		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287371 Sampled: 8/27/2013 15:35

Sample ID: 13H1034-30

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Chloroaniline	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Chloro-3-methylphenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287371 Sampled: 8/27/2013 15:35

Sample ID: 13H1034-30

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	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:25	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	90.6		30-130		9/4/13 10:25
Phenol-d6	90.9		30-130		9/4/13 10:25
Nitrobenzene-d5	91.7		30-130		9/4/13 10:25
2-Fluorobiphenyl	103		30-130		9/4/13 10:25
2,4,6-Tribromophenol	**142**	*	30-130	S-07	9/4/13 10:25
p-Terphenyl-d14	110		30-130		9/4/13 10:25

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287371 Sampled: 8/27/2013 15:35

Sample ID: 13H1034-30

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Barium	110	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Cadmium	0.35	0.26	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Chromium	16	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Copper	16	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Lead	8.1	0.79	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:02	SAJ
Nickel	6.8	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP
Zinc	29	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:34	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287371 Sampled: 8/27/2013 15:35

Sample ID: 13H1034-30

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
% Solids	94.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287372 Sampled: 8/27/2013 15:45

Sample ID: 13H1034-31

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Acrylonitrile	ND	0.0054	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Bromoform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Carbon Disulfide	ND	0.0054	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
2,2-Dichloropropane	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287372 Sampled: 8/27/2013 15:45

Sample ID: 13H1034-31

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.00091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	107	70-130		8/29/13 14:49
Toluene-d8	100	70-130		8/29/13 14:49
4-Bromofluorobenzene	94.8	70-130		8/29/13 14:49

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287372 Sampled: 8/27/2013 15:45

Sample ID: 13H1034-31

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	39	11	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 17:51	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	67.0	50-150		8/30/13 17:51

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287372 Sampled: 8/27/2013 15:45

Sample ID: 13H1034-31

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
% Solids	87.9		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287373 Sampled: 8/27/2013 15:50

Sample ID: 13H1034-32

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Bromoform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Bromomethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
n-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Carbon Tetrachloride	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Chlorodibromomethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Chloromethane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2-Dibromoethane (EDB)	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,3-Dichloropropane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
2,2-Dichloropropane	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
cis-1,3-Dichloropropene	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
trans-1,3-Dichloropropene	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Hexachlorobutadiene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287373 Sampled: 8/27/2013 15:50

Sample ID: 13H1034-32

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.00073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Tetrahydrofuran	ND	0.0073	mg/Kg dry	1	V-16	SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
Vinyl Chloride	ND	0.0073	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 15:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		8/29/13 15:16
Toluene-d8	98.4	70-130		8/29/13 15:16
4-Bromofluorobenzene	99.9	70-130		8/29/13 15:16

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287373 Sampled: 8/27/2013 15:50

Sample ID: 13H1034-32

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	25	13	mg/Kg dry	1		CTDEP ETPH	8/28/13	8/30/13 16:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	53.4	50-150		8/30/13 16:57

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287373 Sampled: 8/27/2013 15:50

Sample ID: 13H1034-32

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
% Solids	79.1		% Wt	1		SM 2540G	8/31/13	9/3/13 8:24	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287352 Sampled: 8/27/2013 09:30

Sample ID: 13H1034-33

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 wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Bromoform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
2,2-Dichloropropane	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1034

Date Received: 8/27/2013

Field Sample #: 1287352 Sampled: 8/27/2013 09:30

Sample ID: 13H1034-33

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/29/13	8/29/13 15:44	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		8/29/13 15:44
Toluene-d8	99.5	70-130		8/29/13 15:44
4-Bromofluorobenzene	103	70-130		8/29/13 15:44

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-01 [1287309]	B079750	30.0	1.00	08/28/13
13H1034-02 [1287310]	B079750	30.0	1.00	08/28/13
13H1034-04 [1287312]	B079750	30.1	1.00	08/28/13
13H1034-05 [1287313]	B079750	30.0	1.00	08/28/13
13H1034-06 [1287314]	B079750	30.2	1.00	08/28/13
13H1034-07 [1287315]	B079750	30.3	1.00	08/28/13
13H1034-08 [1287316]	B079750	30.1	2.00	08/28/13
13H1034-09 [1287317]	B079750	30.0	1.00	08/28/13
13H1034-11 [1287319]	B079750	30.0	1.00	08/28/13
13H1034-12 [1287355]	B079750	30.3	1.00	08/28/13
13H1034-14 [1287321]	B079750	30.2	1.00	08/28/13
13H1034-15 [1287322]	B079750	30.2	1.00	08/28/13
13H1034-16 [1287354]	B079750	30.1	1.00	08/28/13
13H1034-17 [1287323]	B079750	30.0	1.00	08/28/13
13H1034-19 [1287360]	B079750	30.0	1.00	08/28/13
13H1034-20 [1287361]	B079750	30.0	1.00	08/28/13
13H1034-22 [1287363]	B079750	30.0	1.00	08/28/13
13H1034-23 [1287364]	B079750	30.1	1.00	08/28/13
13H1034-31 [1287372]	B079750	30.0	1.00	08/28/13
13H1034-32 [1287373]	B079750	30.3	1.00	08/28/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1034-01 [1287309]	B079963	08/31/13
13H1034-02 [1287310]	B079963	08/31/13
13H1034-04 [1287312]	B079963	08/31/13
13H1034-05 [1287313]	B079963	08/31/13
13H1034-06 [1287314]	B079963	08/31/13
13H1034-07 [1287315]	B079963	08/31/13
13H1034-08 [1287316]	B079963	08/31/13
13H1034-09 [1287317]	B079963	08/31/13
13H1034-11 [1287319]	B079963	08/31/13
13H1034-12 [1287355]	B079963	08/31/13
13H1034-14 [1287321]	B079963	08/31/13
13H1034-15 [1287322]	B079963	08/31/13
13H1034-16 [1287354]	B079963	08/31/13
13H1034-17 [1287323]	B079963	08/31/13
13H1034-19 [1287360]	B079963	08/31/13
13H1034-20 [1287361]	B079963	08/31/13
13H1034-22 [1287363]	B079963	08/31/13
13H1034-23 [1287364]	B079963	08/31/13
13H1034-25 [1287366]	B079963	08/31/13
13H1034-26 [1287367]	B079963	08/31/13
13H1034-27 [1287368]	B079963	08/31/13
13H1034-28 [1287369]	B079963	08/31/13
13H1034-29 [1287370]	B079963	08/31/13
13H1034-30 [1287371]	B079963	08/31/13
13H1034-31 [1287372]	B079963	08/31/13
13H1034-32 [1287373]	B079963	08/31/13

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Sample Extraction Data

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-01 [1287309]	B079757	1.02	50.0	08/28/13
13H1034-02 [1287310]	B079757	0.998	50.0	08/28/13
13H1034-04 [1287312]	B079757	1.03	50.0	08/28/13
13H1034-05 [1287313]	B079757	1.00	50.0	08/28/13
13H1034-06 [1287314]	B079757	1.01	50.0	08/28/13
13H1034-07 [1287315]	B079757	1.00	50.0	08/28/13
13H1034-08 [1287316]	B079757	0.999	50.0	08/28/13
13H1034-09 [1287317]	B079757	1.00	50.0	08/28/13
13H1034-11 [1287319]	B079757	1.02	50.0	08/28/13
13H1034-12 [1287355]	B079757	1.01	50.0	08/28/13
13H1034-14 [1287321]	B079757	1.05	50.0	08/28/13
13H1034-22 [1287363]	B079757	1.00	50.0	08/28/13
13H1034-23 [1287364]	B079757	1.04	50.0	08/28/13
13H1034-25 [1287366]	B079757	1.02	50.0	08/28/13
13H1034-26 [1287367]	B079757	1.00	50.0	08/28/13
13H1034-27 [1287368]	B079757	1.03	50.0	08/28/13
13H1034-28 [1287369]	B079757	1.01	50.0	08/28/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-29 [1287370]	B079826	1.05	50.0	08/29/13
13H1034-30 [1287371]	B079826	1.01	50.0	08/29/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-06 [1287314]	B079842	0.618	50.0	08/29/13
13H1034-07 [1287315]	B079842	0.609	50.0	08/29/13
13H1034-08 [1287316]	B079842	0.605	50.0	08/29/13
13H1034-09 [1287317]	B079842	0.608	50.0	08/29/13
13H1034-11 [1287319]	B079842	0.610	50.0	08/29/13
13H1034-12 [1287355]	B079842	0.612	50.0	08/29/13
13H1034-14 [1287321]	B079842	0.613	50.0	08/29/13
13H1034-22 [1287363]	B079842	0.612	50.0	08/29/13
13H1034-23 [1287364]	B079842	0.606	50.0	08/29/13
13H1034-25 [1287366]	B079842	0.608	50.0	08/29/13
13H1034-26 [1287367]	B079842	0.602	50.0	08/29/13
13H1034-27 [1287368]	B079842	0.619	50.0	08/29/13
13H1034-28 [1287369]	B079842	0.615	50.0	08/29/13
13H1034-29 [1287370]	B079842	0.607	50.0	08/29/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-01 [1287309]	B079927	0.612	50.0	08/30/13
13H1034-02 [1287310]	B079927	0.618	50.0	08/30/13
13H1034-04 [1287312]	B079927	0.606	50.0	08/30/13
13H1034-05 [1287313]	B079927	0.603	50.0	08/30/13
13H1034-30 [1287371]	B079927	0.616	50.0	08/30/13

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-15 [1287322]	B079732	10.2	10.0	08/28/13
13H1034-16 [1287354]	B079732	10.2	10.0	08/28/13
13H1034-17 [1287323]	B079732	10.2	10.0	08/28/13
13H1034-19 [1287360]	B079732	10.4	10.0	08/28/13
13H1034-20 [1287361]	B079732	10.1	10.0	08/28/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-01 [1287309]	B079830	7.98	10.0	08/29/13
13H1034-02 [1287310]	B079830	6.97	10.0	08/29/13
13H1034-04 [1287312]	B079830	11.1	10.0	08/29/13
13H1034-05 [1287313]	B079830	8.99	10.0	08/29/13
13H1034-06 [1287314]	B079830	7.94	10.0	08/29/13
13H1034-07 [1287315]	B079830	4.59	10.0	08/29/13
13H1034-08 [1287316]	B079830	9.19	10.0	08/29/13
13H1034-09 [1287317]	B079830	6.19	10.0	08/29/13
13H1034-11 [1287319]	B079830	8.98	10.0	08/29/13
13H1034-12 [1287355]	B079830	10.2	10.0	08/29/13
13H1034-14 [1287321]	B079830	5.72	10.0	08/29/13
13H1034-22 [1287363]	B079830	6.73	10.0	08/29/13
13H1034-23 [1287364]	B079830	5.65	10.0	08/29/13
13H1034-31 [1287372]	B079830	6.28	10.0	08/29/13
13H1034-32 [1287373]	B079830	8.65	10.0	08/29/13
13H1034-33 [1287352]	B079830	5.00	10.0	08/29/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-01 [1287309]	B079751	30.2	2.00	08/28/13
13H1034-02 [1287310]	B079751	30.0	2.00	08/28/13
13H1034-04 [1287312]	B079751	30.2	2.00	08/28/13
13H1034-05 [1287313]	B079751	30.4	1.00	08/28/13
13H1034-06 [1287314]	B079751	30.0	2.00	08/28/13
13H1034-07 [1287315]	B079751	30.2	1.00	08/28/13
13H1034-08 [1287316]	B079751	30.1	2.00	08/28/13
13H1034-09 [1287317]	B079751	30.1	1.00	08/28/13
13H1034-11 [1287319]	B079751	30.2	2.00	08/28/13
13H1034-11RE1 [1287319]	B079751	30.2	2.00	08/28/13
13H1034-12 [1287355]	B079751	30.2	2.00	08/28/13
13H1034-12RE1 [1287355]	B079751	30.2	2.00	08/28/13
13H1034-14 [1287321]	B079751	30.1	1.00	08/28/13
13H1034-15 [1287322]	B079751	30.0	1.00	08/28/13
13H1034-16 [1287354]	B079751	30.0	2.00	08/28/13
13H1034-17 [1287323]	B079751	30.0	1.00	08/28/13
13H1034-19 [1287360]	B079751	30.0	1.00	08/28/13
13H1034-20 [1287361]	B079751	30.2	1.00	08/28/13
13H1034-22 [1287363]	B079751	30.0	1.00	08/28/13
13H1034-23 [1287364]	B079751	30.0	1.00	08/28/13
13H1034-25 [1287366]	B079751	30.0	1.00	08/28/13
13H1034-26 [1287367]	B079751	30.0	1.00	08/28/13

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1034-27 [1287368]	B079861	30.1	1.00	08/29/13
13H1034-28 [1287369]	B079861	30.3	1.00	08/29/13
13H1034-29 [1287370]	B079861	30.1	1.00	08/29/13
13H1034-30 [1287371]	B079861	30.2	1.00	08/29/13

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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 B079830 - SW-846 5035										
Blank (B079830-BLK1)				Prepared & Analyzed: 08/29/13						
Acetone	ND	0.10	mg/Kg wet							
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0040	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
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							
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							
trans-1,4-Dichloro-2-butene	ND	0.0040	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	0.010	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							
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							
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							

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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 B079830 - SW-846 5035											
Blank (B079830-BLK1)				Prepared & Analyzed: 08/29/13							
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0544*		mg/Kg wet	0.0500		109		70-130			
Surrogate: Toluene-d8	*0.0496*		mg/Kg wet	0.0500		99.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/Kg wet	0.0500		102		70-130			
LCS (B079830-BS1)				Prepared & Analyzed: 08/29/13							
Acetone	0.307	0.10	mg/Kg wet	0.200		**153**	*	70-130			L-01, V-20
Acrylonitrile	0.0195	0.0060	mg/Kg wet	0.0200		97.7		70-130			
Benzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8		70-130			
Bromobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130			
Bromodichloromethane	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
Bromoform	0.0201	0.0040	mg/Kg wet	0.0200		101		70-130			
Bromomethane	0.0264	0.010	mg/Kg wet	0.0200		**132**	*	70-130			V-20, L-01
2-Butanone (MEK)	0.236	0.040	mg/Kg wet	0.200		118		70-130			
n-Butylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130			
sec-Butylbenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.6		70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0		70-130			
Carbon Disulfide	0.210	0.0060	mg/Kg wet	0.200		105		70-130			
Carbon Tetrachloride	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Chlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1		70-130			
Chlorodibromomethane	0.0217	0.0010	mg/Kg wet	0.0200		109		70-130			
Chloroethane	0.0216	0.020	mg/Kg wet	0.0200		108		70-130			
Chloroform	0.0199	0.0040	mg/Kg wet	0.0200		99.6		70-130			
Chloromethane	0.0179	0.010	mg/Kg wet	0.0200		89.3		70-130			
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		101		70-130			
4-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0187	0.0020	mg/Kg wet	0.0200		93.4		70-130			
1,2-Dibromoethane (EDB)	0.0210	0.0010	mg/Kg wet	0.0200		105		70-130			
Dibromomethane	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130			
1,2-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.3		70-130			
1,3-Dichlorobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.0		70-130			
1,4-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		91.8		70-130			
trans-1,4-Dichloro-2-butene	0.0217	0.0040	mg/Kg wet	0.0200		109		70-130			
Dichlorodifluoromethane (Freon 12)	0.0146	0.020	mg/Kg wet	0.0200		73.0		70-130			
1,1-Dichloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,2-Dichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
1,1-Dichloroethylene	0.0222	0.0040	mg/Kg wet	0.0200		111		70-130			

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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 B079830 - SW-846 5035										
LCS (B079830-BS1)				Prepared & Analyzed: 08/29/13						
cis-1,2-Dichloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130			
trans-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130			
1,2-Dichloropropane	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
1,3-Dichloropropane	0.0213	0.0010	mg/Kg wet	0.0200		106	70-130			
2,2-Dichloropropane	0.0200	0.010	mg/Kg wet	0.0200		100	70-130			
1,1-Dichloropropene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
cis-1,3-Dichloropropene	0.0211	0.0010	mg/Kg wet	0.0200		106	70-130			
trans-1,3-Dichloropropene	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130			
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130			
Hexachlorobutadiene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
2-Hexanone (MBK)	0.234	0.020	mg/Kg wet	0.200		117	70-130			
Isopropylbenzene (Cumene)	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130			
p-Isopropyltoluene (p-Cymene)	0.0193	0.0020	mg/Kg wet	0.0200		96.4	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0188	0.0040	mg/Kg wet	0.0200		94.1	70-130			
Methylene Chloride	0.0208	0.020	mg/Kg wet	0.0200		104	70-130			
4-Methyl-2-pentanone (MIBK)	0.234	0.020	mg/Kg wet	0.200		117	70-130			
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.4	70-130			
n-Propylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130			
Styrene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0204	0.0010	mg/Kg wet	0.0200		102	70-130			
Tetrachloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.1	70-130			V-16
Toluene	0.0201	0.0020	mg/Kg wet	0.0200		101	70-130			
1,2,3-Trichlorobenzene	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130			
1,2,4-Trichlorobenzene	0.0177	0.0020	mg/Kg wet	0.0200		88.3	70-130			
1,1,1-Trichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130			
1,1,2-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.6	70-130			
Trichloroethylene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130			
Trichlorofluoromethane (Freon 11)	0.0258	0.010	mg/Kg wet	0.0200		129	70-130			
1,2,3-Trichloropropane	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0221	0.010	mg/Kg wet	0.0200		111	70-130			
1,2,4-Trimethylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130			
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130			
Vinyl Chloride	0.0190	0.010	mg/Kg wet	0.0200		94.9	70-130			
m+p Xylene	0.0410	0.0040	mg/Kg wet	0.0400		102	70-130			
o-Xylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0544*		mg/Kg wet	0.0500		109	70-130			
Surrogate: Toluene-d8	*0.0502*		mg/Kg wet	0.0500		100	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0515*		mg/Kg wet	0.0500		103	70-130			
Matrix Spike (B079830-MS1)		**Source: 13H1034-01**		Prepared & Analyzed: 08/29/13						
Acetone	0.173	0.085	mg/Kg dry	0.170	ND	102	70-130			
Acrylonitrile	0.0141	0.0051	mg/Kg dry	0.0170	ND	83.0	70-130			
Benzene	0.0181	0.0017	mg/Kg dry	0.0170	ND	106	70-130			
Bromobenzene	0.0151	0.0017	mg/Kg dry	0.0170	ND	88.6	70-130			
Bromodichloromethane	0.0176	0.0017	mg/Kg dry	0.0170	ND	103	70-130			
Bromoform	0.0155	0.0034	mg/Kg dry	0.0170	ND	91.1	70-130			
Bromomethane	0.0177	0.0085	mg/Kg dry	0.0170	ND	104	70-130			
2-Butanone (MEK)	0.166	0.034	mg/Kg dry	0.170	ND	97.6	70-130			
n-Butylbenzene	0.0211	0.0017	mg/Kg dry	0.0170	ND	124	70-130			
sec-Butylbenzene	0.0232	0.0017	mg/Kg dry	0.0170	ND	**136** *	70-130			MS-14

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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 B079830 - SW-846 5035											
Matrix Spike (B079830-MS1)		**Source: 13H1034-01**		Prepared & Analyzed: 08/29/13							
tert-Butylbenzene	0.0231	0.0017	mg/Kg dry	0.0170	ND	**136**	*	70-130			MS-14
Carbon Disulfide	0.0104	0.0051	mg/Kg dry	0.0170	ND	**61.3**	*	70-130			MS-07
Carbon Tetrachloride	0.0173	0.0017	mg/Kg dry	0.0170	ND	102		70-130			
Chlorobenzene	0.0179	0.0017	mg/Kg dry	0.0170	ND	105		70-130			
Chlorodibromomethane	0.0159	0.00085	mg/Kg dry	0.0170	ND	93.6		70-130			
Chloroethane	0.0208	0.017	mg/Kg dry	0.0170	ND	122		70-130			
Chloroform	0.0183	0.0034	mg/Kg dry	0.0170	ND	108		70-130			
Chloromethane	0.0157	0.0085	mg/Kg dry	0.0170	ND	92.2		70-130			
2-Chlorotoluene	0.0159	0.0017	mg/Kg dry	0.0170	ND	93.4		70-130			
4-Chlorotoluene	0.0163	0.0017	mg/Kg dry	0.0170	ND	95.9		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0177	0.0017	mg/Kg dry	0.0170	ND	104		70-130			
1,2-Dibromoethane (EDB)	0.0174	0.00085	mg/Kg dry	0.0170	ND	102		70-130			
Dibromomethane	0.0179	0.0017	mg/Kg dry	0.0170	ND	105		70-130			
1,2-Dichlorobenzene	0.0186	0.0017	mg/Kg dry	0.0170	ND	109		70-130			
1,3-Dichlorobenzene	0.0198	0.0017	mg/Kg dry	0.0170	ND	117		70-130			
1,4-Dichlorobenzene	0.0201	0.0017	mg/Kg dry	0.0170	ND	118		70-130			
trans-1,4-Dichloro-2-butene	0.0129	0.0034	mg/Kg dry	0.0170	ND	75.7		70-130			
Dichlorodifluoromethane (Freon 12)	0.0147	0.017	mg/Kg dry	0.0170	ND	86.3		70-130			
1,1-Dichloroethane	0.0192	0.0017	mg/Kg dry	0.0170	ND	113		70-130			
1,2-Dichloroethane	0.0184	0.0017	mg/Kg dry	0.0170	ND	108		70-130			
1,1-Dichloroethylene	0.0203	0.0034	mg/Kg dry	0.0170	ND	119		70-130			
cis-1,2-Dichloroethylene	0.0183	0.0017	mg/Kg dry	0.0170	ND	108		70-130			
trans-1,2-Dichloroethylene	0.0198	0.0017	mg/Kg dry	0.0170	ND	117		70-130			
1,2-Dichloropropane	0.0181	0.0017	mg/Kg dry	0.0170	ND	107		70-130			
1,3-Dichloropropane	0.0186	0.00085	mg/Kg dry	0.0170	ND	109		70-130			
2,2-Dichloropropane	0.0185	0.0085	mg/Kg dry	0.0170	ND	109		70-130			
1,1-Dichloropropene	0.0199	0.0017	mg/Kg dry	0.0170	ND	117		70-130			
cis-1,3-Dichloropropene	0.0169	0.00085	mg/Kg dry	0.0170	ND	99.6		70-130			
trans-1,3-Dichloropropene	0.0156	0.00085	mg/Kg dry	0.0170	ND	91.4		70-130			
Ethylbenzene	0.0193	0.0017	mg/Kg dry	0.0170	ND	113		70-130			
Hexachlorobutadiene	0.0175	0.0017	mg/Kg dry	0.0170	ND	103		70-130			
2-Hexanone (MBK)	0.161	0.017	mg/Kg dry	0.170	ND	94.6		70-130			
Isopropylbenzene (Cumene)	0.0172	0.0017	mg/Kg dry	0.0170	ND	101		70-130			
p-Isopropyltoluene (p-Cymene)	0.0222	0.0017	mg/Kg dry	0.0170	ND	**131**	*	70-130			MS-14
Methyl tert-Butyl Ether (MTBE)	0.0204	0.0034	mg/Kg dry	0.0170	ND	120		70-130			
Methylene Chloride	0.0180	0.017	mg/Kg dry	0.0170	ND	106		70-130			
4-Methyl-2-pentanone (MIBK)	0.172	0.017	mg/Kg dry	0.170	ND	101		70-130			
Naphthalene	0.0121	0.0034	mg/Kg dry	0.0170	0.00256	**55.9**	*	70-130			MS-07
n-Propylbenzene	0.0171	0.0017	mg/Kg dry	0.0170	ND	100		70-130			
Styrene	0.0176	0.0017	mg/Kg dry	0.0170	ND	104		70-130			
1,1,1,2-Tetrachloroethane	0.0197	0.0017	mg/Kg dry	0.0170	ND	116		70-130			
1,1,2,2-Tetrachloroethane	0.0166	0.00085	mg/Kg dry	0.0170	ND	97.8		70-130			
Tetrachloroethylene	0.0185	0.0017	mg/Kg dry	0.0170	ND	109		70-130			
Tetrahydrofuran	0.0126	0.0085	mg/Kg dry	0.0170	ND	74.3		70-130			V-16
Toluene	0.0173	0.0017	mg/Kg dry	0.0170	ND	102		70-130			
1,2,3-Trichlorobenzene	0.0116	0.0017	mg/Kg dry	0.0170	ND	**68.1**	*	70-130			MS-07
1,2,4-Trichlorobenzene	0.0130	0.0017	mg/Kg dry	0.0170	ND	76.4		70-130			
1,1,1-Trichloroethane	0.0177	0.0017	mg/Kg dry	0.0170	ND	104		70-130			
1,1,2-Trichloroethane	0.0171	0.0017	mg/Kg dry	0.0170	ND	100		70-130			
Trichloroethylene	0.0180	0.0017	mg/Kg dry	0.0170	ND	106		70-130			
Trichlorofluoromethane (Freon 11)	0.0206	0.0085	mg/Kg dry	0.0170	ND	121		70-130			
1,2,3-Trichloropropane	0.0157	0.0017	mg/Kg dry	0.0170	ND	92.3		70-130			

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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 B079830 - SW-846 5035											
Matrix Spike (B079830-MS1)		**Source: 13H1034-01**		Prepared & Analyzed: 08/29/13							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0192	0.0085	mg/Kg dry	0.0170	ND	113		70-130			
1,2,4-Trimethylbenzene	0.0224	0.0017	mg/Kg dry	0.0170	ND	**132**	*	70-130			MS-14
1,3,5-Trimethylbenzene	0.0159	0.0017	mg/Kg dry	0.0170	ND	93.5		70-130			
Vinyl Chloride	0.0167	0.0085	mg/Kg dry	0.0170	ND	98.4		70-130			
m+p Xylene	0.0364	0.0034	mg/Kg dry	0.0340	ND	107		70-130			
o-Xylene	0.0183	0.0017	mg/Kg dry	0.0170	ND	108		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0420*		mg/Kg dry	0.0425		98.7		70-130			
Surrogate: Toluene-d8	*0.0405*		mg/Kg dry	0.0425		95.2		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0356*		mg/Kg dry	0.0425		83.6		70-130			

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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 B079751 - SW-846 3546										
Blank (B079751-BLK1)				Prepared: 08/28/13 Analyzed: 08/30/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							V-19
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	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079751 - SW-846 3546											
Blank (B079751-BLK1)				Prepared: 08/28/13 Analyzed: 08/30/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*4.86*		mg/Kg wet	6.67		72.9	30-130				
Surrogate: Phenol-d6	*4.77*		mg/Kg wet	6.67		71.6	30-130				
Surrogate: Nitrobenzene-d5	*2.38*		mg/Kg wet	3.33		71.5	30-130				
Surrogate: 2-Fluorobiphenyl	*2.30*		mg/Kg wet	3.33		69.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.60*		mg/Kg wet	6.67		84.1	30-130				
Surrogate: p-Terphenyl-d14	*3.48*		mg/Kg wet	3.33		104	30-130				
LCS (B079751-BS1)				Prepared: 08/28/13 Analyzed: 08/30/13							
Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.8	40-140				
Acenaphthylene	1.37	0.17	mg/Kg wet	1.67		82.2	40-140				
Aniline	0.853	0.34	mg/Kg wet	1.67		51.2	40-140				†
Anthracene	1.41	0.17	mg/Kg wet	1.67		84.8	40-140				
Benzo(a)anthracene	1.43	0.17	mg/Kg wet	1.67		85.9	40-140				
Benzo(a)pyrene	1.42	0.17	mg/Kg wet	1.67		85.4	40-140				
Benzo(b)fluoranthene	1.37	0.17	mg/Kg wet	1.67		82.0	40-140				
Benzo(g,h,i)perylene	1.47	0.17	mg/Kg wet	1.67		88.1	40-140				
Benzo(k)fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.9	40-140				
Bis(2-chloroethoxy)methane	1.35	0.34	mg/Kg wet	1.67		81.2	40-140				
Bis(2-chloroethyl)ether	1.42	0.34	mg/Kg wet	1.67		85.4	40-140				
Bis(2-chloroisopropyl)ether	1.27	0.34	mg/Kg wet	1.67		76.2	40-140				
Bis(2-Ethylhexyl)phthalate	1.49	0.34	mg/Kg wet	1.67		89.6	40-140				
4-Bromophenylphenylether	1.37	0.34	mg/Kg wet	1.67		82.3	40-140				
Butylbenzylphthalate	1.56	0.34	mg/Kg wet	1.67		93.5	40-140				
Carbazole	1.50	0.17	mg/Kg wet	1.67		90.2	40-140				
4-Chloroaniline	0.976	0.66	mg/Kg wet	1.67		58.6	40-140				†
4-Chloro-3-methylphenol	1.43	0.66	mg/Kg wet	1.67		86.0	30-130				
2-Chloronaphthalene	1.18	0.34	mg/Kg wet	1.67		70.8	40-140				
2-Chlorophenol	1.26	0.34	mg/Kg wet	1.67		75.6	30-130				
4-Chlorophenylphenylether	1.37	0.34	mg/Kg wet	1.67		82.5	40-140				
Chrysene	1.36	0.17	mg/Kg wet	1.67		81.4	40-140				
Dibenz(a,h)anthracene	1.50	0.17	mg/Kg wet	1.67		90.0	40-140				
Dibenzofuran	1.36	0.34	mg/Kg wet	1.67		81.4	40-140				
Di-n-butylphthalate	1.48	0.34	mg/Kg wet	1.67		88.8	40-140				
3,3-Dichlorobenzidine	0.927	0.17	mg/Kg wet	1.67		55.6	40-140				†
2,4-Dichlorophenol	1.25	0.34	mg/Kg wet	1.67		75.0	30-130				
Diethylphthalate	1.45	0.34	mg/Kg wet	1.67		86.7	40-140				
2,4-Dimethylphenol	1.29	0.34	mg/Kg wet	1.67		77.6	30-130				
Dimethylphthalate	1.38	0.34	mg/Kg wet	1.67		82.8	40-140				
4,6-Dinitro-2-methylphenol	1.31	0.34	mg/Kg wet	1.67		78.7	30-130			V-19	

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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 B079751 - SW-846 3546										
LCS (B079751-BS1)				Prepared: 08/28/13 Analyzed: 08/30/13						
2,4-Dinitrophenol	0.927	0.66	mg/Kg wet	1.67		55.6	30-130			
2,4-Dinitrotoluene	1.59	0.34	mg/Kg wet	1.67		95.6	40-140			
2,6-Dinitrotoluene	1.56	0.34	mg/Kg wet	1.67		93.5	40-140			
Di-n-octylphthalate	1.37	0.67	mg/Kg wet	1.67		82.2	40-140			
Fluoranthene	1.40	0.17	mg/Kg wet	1.67		84.3	40-140			
Fluorene	1.41	0.17	mg/Kg wet	1.67		84.7	40-140			
Hexachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.2	40-140			
Hexachlorobutadiene	1.29	0.34	mg/Kg wet	1.67		77.7	40-140			
Hexachlorocyclopentadiene	1.11	0.34	mg/Kg wet	1.67		66.4	30-140			
Hexachloroethane	1.22	0.34	mg/Kg wet	1.67		73.3	40-140			
Indeno(1,2,3-cd)pyrene	1.49	0.17	mg/Kg wet	1.67		89.4	40-140			
Isophorone	1.30	0.34	mg/Kg wet	1.67		77.9	40-140			
2-Methylnaphthalene	1.25	0.17	mg/Kg wet	1.67		74.8	40-140			
2-Methylphenol	1.19	0.34	mg/Kg wet	1.67		71.5	30-130			
3/4-Methylphenol	1.93	0.34	mg/Kg wet	1.67		116	30-130			
Naphthalene	1.28	0.17	mg/Kg wet	1.67		77.0	40-140			
2-Nitroaniline	1.50	0.34	mg/Kg wet	1.67		89.9	40-140			
3-Nitroaniline	1.38	0.34	mg/Kg wet	1.67		83.0	40-140			†
4-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.1	40-140			
Nitrobenzene	1.33	0.34	mg/Kg wet	1.67		79.6	40-140			
2-Nitrophenol	1.35	0.34	mg/Kg wet	1.67		80.9	30-130			
4-Nitrophenol	1.40	0.66	mg/Kg wet	1.67		84.2	10-130			
N-Nitrosodiphenylamine	1.76	0.34	mg/Kg wet	1.67		106	40-140			
N-Nitrosodi-n-propylamine	1.27	0.34	mg/Kg wet	1.67		76.1	40-140			
Pentachloronitrobenzene	1.48	0.34	mg/Kg wet	1.67		89.0	40-140			V-16
Pentachlorophenol	1.19	0.34	mg/Kg wet	1.67		71.7	30-130			
Phenanthrene	1.39	0.17	mg/Kg wet	1.67		83.6	40-140			
Phenol	1.09	0.34	mg/Kg wet	1.67		65.7	20-130			
Pyrene	1.62	0.17	mg/Kg wet	1.67		97.1	40-140			
Pyridine	0.964	0.34	mg/Kg wet	1.67		57.9	10-140			†
1,2,4,5-Tetrachlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.0	40-140			
1,2,4-Trichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
2,4,5-Trichlorophenol	1.40	0.34	mg/Kg wet	1.67		83.9	30-130			
2,4,6-Trichlorophenol	1.33	0.34	mg/Kg wet	1.67		79.6	30-130			
Surrogate: 2-Fluorophenol	*5.31*		mg/Kg wet	6.67		79.6	30-130			
Surrogate: Phenol-d6	*5.14*		mg/Kg wet	6.67		77.1	30-130			
Surrogate: Nitrobenzene-d5	*2.70*		mg/Kg wet	3.33		81.0	30-130			
Surrogate: 2-Fluorobiphenyl	*2.66*		mg/Kg wet	3.33		79.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.35*		mg/Kg wet	6.67		95.3	30-130			
Surrogate: p-Terphenyl-d14	*3.43*		mg/Kg wet	3.33		103	30-130			
LCS Dup (B079751-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13						
Acenaphthene	1.44	0.17	mg/Kg wet	1.67		86.6	40-140	5.68	30	
Acenaphthylene	1.46	0.17	mg/Kg wet	1.67		87.6	40-140	6.29	30	
Aniline	0.980	0.34	mg/Kg wet	1.67		58.8	40-140	13.9	50	† ‡
Anthracene	1.52	0.17	mg/Kg wet	1.67		91.2	40-140	7.23	30	
Benzo(a)anthracene	1.54	0.17	mg/Kg wet	1.67		92.2	40-140	7.14	30	
Benzo(a)pyrene	1.58	0.17	mg/Kg wet	1.67		94.6	40-140	10.2	30	
Benzo(b)fluoranthene	1.54	0.17	mg/Kg wet	1.67		92.6	40-140	12.1	30	
Benzo(g,h,i)perylene	1.56	0.17	mg/Kg wet	1.67		93.3	40-140	5.80	30	
Benzo(k)fluoranthene	1.50	0.17	mg/Kg wet	1.67		89.9	40-140	9.36	30	
Bis(2-chloroethoxy)methane	1.47	0.34	mg/Kg wet	1.67		88.3	40-140	8.40	30	

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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 B079751 - SW-846 3546												
LCS Dup (B079751-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13								
Bis(2-chloroethyl)ether	1.49	0.34	mg/Kg wet	1.67		89.6		40-140	4.89	30		
Bis(2-chloroisopropyl)ether	1.34	0.34	mg/Kg wet	1.67		80.3		40-140	5.34	30		
Bis(2-Ethylhexyl)phthalate	1.63	0.34	mg/Kg wet	1.67		97.8		40-140	8.69	30		
4-Bromophenylphenylether	1.44	0.34	mg/Kg wet	1.67		86.7		40-140	5.14	30		
Butylbenzylphthalate	1.72	0.34	mg/Kg wet	1.67		103		40-140	9.88	30		
Carbazole	1.63	0.17	mg/Kg wet	1.67		97.9		40-140	8.18	30		
4-Chloroaniline	1.12	0.66	mg/Kg wet	1.67		67.2		40-140	13.8	30		†
4-Chloro-3-methylphenol	1.59	0.66	mg/Kg wet	1.67		95.3		30-130	10.2	30		
2-Chloronaphthalene	1.26	0.34	mg/Kg wet	1.67		75.7		40-140	6.75	30		
2-Chlorophenol	1.38	0.34	mg/Kg wet	1.67		82.9		30-130	9.19	30		
4-Chlorophenylphenylether	1.46	0.34	mg/Kg wet	1.67		87.7		40-140	6.11	30		
Chrysene	1.48	0.17	mg/Kg wet	1.67		88.7		40-140	8.51	30		
Dibenz(a,h)anthracene	1.58	0.17	mg/Kg wet	1.67		94.6		40-140	4.98	30		
Dibenzofuran	1.46	0.34	mg/Kg wet	1.67		87.6		40-140	7.27	30		
Di-n-butylphthalate	1.59	0.34	mg/Kg wet	1.67		95.5		40-140	7.25	30		
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2		40-140	11.2	30		† ‡
2,4-Dichlorophenol	1.36	0.34	mg/Kg wet	1.67		81.8		30-130	8.68	30		
Diethylphthalate	1.56	0.34	mg/Kg wet	1.67		93.3		40-140	7.33	30		
2,4-Dimethylphenol	1.41	0.34	mg/Kg wet	1.67		84.4		30-130	8.37	30		
Dimethylphthalate	1.49	0.34	mg/Kg wet	1.67		89.5		40-140	7.80	50		
4,6-Dinitro-2-methylphenol	1.41	0.34	mg/Kg wet	1.67		84.5		30-130	7.13	50	V-19	
2,4-Dinitrophenol	0.877	0.66	mg/Kg wet	1.67		52.6		30-130	5.51	50		
2,4-Dinitrotoluene	1.76	0.34	mg/Kg wet	1.67		105		40-140	9.74	30		
2,6-Dinitrotoluene	1.69	0.34	mg/Kg wet	1.67		102		40-140	8.38	30		
Di-n-octylphthalate	1.54	0.67	mg/Kg wet	1.67		92.5		40-140	11.8	30		
Fluoranthene	1.54	0.17	mg/Kg wet	1.67		92.7		40-140	9.54	30		
Fluorene	1.50	0.17	mg/Kg wet	1.67		89.9		40-140	5.89	30		
Hexachlorobenzene	1.49	0.34	mg/Kg wet	1.67		89.4		40-140	7.12	30		
Hexachlorobutadiene	1.33	0.34	mg/Kg wet	1.67		79.8		40-140	2.77	30		
Hexachlorocyclopentadiene	1.08	0.34	mg/Kg wet	1.67		64.9		30-140	2.25	50		
Hexachloroethane	1.29	0.34	mg/Kg wet	1.67		77.3		40-140	5.34	50		
Indeno(1,2,3-cd)pyrene	1.57	0.17	mg/Kg wet	1.67		94.2		40-140	5.29	50		
Isophorone	1.44	0.34	mg/Kg wet	1.67		86.3		40-140	10.2	30		
2-Methylnaphthalene	1.34	0.17	mg/Kg wet	1.67		80.7		40-140	7.56	30		
2-Methylphenol	1.18	0.34	mg/Kg wet	1.67		71.0		30-130	0.618	30		
3/4-Methylphenol	2.30	0.34	mg/Kg wet	1.67		**138**	*	30-130	17.4	30	L-07	
Naphthalene	1.36	0.17	mg/Kg wet	1.67		81.5		40-140	5.60	30		
2-Nitroaniline	1.61	0.34	mg/Kg wet	1.67		96.4		40-140	7.00	30		
3-Nitroaniline	1.52	0.34	mg/Kg wet	1.67		91.3		40-140	9.50	30		†
4-Nitroaniline	1.46	0.34	mg/Kg wet	1.67		87.5		40-140	8.85	30		
Nitrobenzene	1.33	0.34	mg/Kg wet	1.67		80.0		40-140	0.551	30		
2-Nitrophenol	1.41	0.34	mg/Kg wet	1.67		84.8		30-130	4.73	30		
4-Nitrophenol	1.56	0.66	mg/Kg wet	1.67		93.8		10-130	10.8	50		‡
N-Nitrosodiphenylamine	1.90	0.34	mg/Kg wet	1.67		114		40-140	7.25	30		
N-Nitrosodi-n-propylamine	1.40	0.34	mg/Kg wet	1.67		84.3		40-140	10.2	30		
Pentachloronitrobenzene	1.58	0.34	mg/Kg wet	1.67		94.6		40-140	6.08	30	V-16	
Pentachlorophenol	1.23	0.34	mg/Kg wet	1.67		74.1		30-130	3.32	50		
Phenanthrene	1.49	0.17	mg/Kg wet	1.67		89.3		40-140	6.62	30		
Phenol	1.20	0.34	mg/Kg wet	1.67		72.2		20-130	9.52	30		
Pyrene	1.74	0.17	mg/Kg wet	1.67		104		40-140	7.24	30		
Pyridine	1.07	0.34	mg/Kg wet	1.67		64.1		10-140	10.2	50		†
1,2,4,5-Tetrachlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.6		40-140	7.01	30		

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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 B079751 - SW-846 3546											
LCS Dup (B079751-BSD1)				Prepared: 08/28/13 Analyzed: 08/30/13							
1,2,4-Trichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.4		40-140	4.04	30	
2,4,5-Trichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.5		30-130	6.37	30	
2,4,6-Trichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.7		30-130	8.57	50	
Surrogate: 2-Fluorophenol	*5.50*		mg/Kg wet	6.67		82.5		30-130			
Surrogate: Phenol-d6	*5.40*		mg/Kg wet	6.67		80.9		30-130			
Surrogate: Nitrobenzene-d5	*2.86*		mg/Kg wet	3.33		85.8		30-130			
Surrogate: 2-Fluorobiphenyl	*2.73*		mg/Kg wet	3.33		81.9		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.63*		mg/Kg wet	6.67		99.4		30-130			
Surrogate: p-Terphenyl-d14	*3.59*		mg/Kg wet	3.33		108		30-130			
Matrix Spike (B079751-MS1)	**Source: 13H1034-02**			Prepared: 08/28/13 Analyzed: 08/30/13							
Acenaphthene	2.00	0.79	mg/Kg dry	1.93	ND	104		40-140			
Acenaphthylene	3.27	0.79	mg/Kg dry	1.93	1.32	101		40-140			
Aniline	ND	1.6	mg/Kg dry	1.93	ND		*	40-140			MS-09
Anthracene	3.69	0.79	mg/Kg dry	1.93	1.50	113		40-140			
Benzo(a)anthracene	9.20	0.79	mg/Kg dry	1.93	7.17	105		40-140			
Benzo(a)pyrene	8.06	0.79	mg/Kg dry	1.93	6.15	98.9		40-140			
Benzo(b)fluoranthene	9.36	0.79	mg/Kg dry	1.93	7.32	106		40-140			
Benzo(g,h,i)perylene	4.27	0.79	mg/Kg dry	1.93	3.07	61.9		40-140			
Benzo(k)fluoranthene	4.88	0.79	mg/Kg dry	1.93	2.72	112		40-140			
Bis(2-chloroethoxy)methane	1.51	1.6	mg/Kg dry	1.93	ND	78.5		40-140			
Bis(2-chloroethyl)ether	1.31	1.6	mg/Kg dry	1.93	ND	67.8		40-140			
Bis(2-chloroisopropyl)ether	1.33	1.6	mg/Kg dry	1.93	ND	68.7		40-140			
Bis(2-Ethylhexyl)phthalate	1.71	1.6	mg/Kg dry	1.93	ND	88.7		40-140			
4-Bromophenylphenylether	1.80	1.6	mg/Kg dry	1.93	ND	93.4		40-140			
Butylbenzylphthalate	1.71	1.6	mg/Kg dry	1.93	ND	88.4		40-140			
Carbazole	2.32	0.79	mg/Kg dry	1.93	ND	120		40-140			
4-Chloroaniline	1.04	3.1	mg/Kg dry	1.93	ND	54.1		40-140			
4-Chloro-3-methylphenol	1.82	3.1	mg/Kg dry	1.93	ND	94.2		30-130			
2-Chloronaphthalene	1.45	1.6	mg/Kg dry	1.93	ND	75.3		40-140			
2-Chlorophenol	1.33	1.6	mg/Kg dry	1.93	ND	68.8		30-130			
4-Chlorophenylphenylether	1.72	1.6	mg/Kg dry	1.93	ND	89.0		40-140			
Chrysene	9.98	0.79	mg/Kg dry	1.93	8.00	102		40-140			
Dibenz(a,h)anthracene	2.14	0.79	mg/Kg dry	1.93	0.903	64.2		40-140			
Dibenzofuran	2.15	1.6	mg/Kg dry	1.93	ND	111		40-140			
Di-n-butylphthalate	1.71	1.6	mg/Kg dry	1.93	ND	88.5		40-140			
3,3-Dichlorobenzidine	0.929	0.79	mg/Kg dry	1.93	ND	48.2		40-140			
2,4-Dichlorophenol	1.60	1.6	mg/Kg dry	1.93	ND	83.2		30-130			
Diethylphthalate	1.80	1.6	mg/Kg dry	1.93	ND	93.1		40-140			
2,4-Dimethylphenol	1.63	1.6	mg/Kg dry	1.93	ND	84.6		30-130			
Dimethylphthalate	1.74	1.6	mg/Kg dry	1.93	ND	90.3		40-140			
4,6-Dinitro-2-methylphenol	2.27	1.6	mg/Kg dry	1.93	ND	118		30-130			V-19
2,4-Dinitrophenol	2.21	3.1	mg/Kg dry	1.93	ND	114		30-130			
2,4-Dinitrotoluene	1.97	1.6	mg/Kg dry	1.93	ND	102		40-140			
2,6-Dinitrotoluene	1.91	1.6	mg/Kg dry	1.93	ND	99.1		40-140			
Di-n-octylphthalate	ND	3.1	mg/Kg dry	1.93	ND		*	40-140			MS-09
Fluoranthene	14.7	0.79	mg/Kg dry	1.93	12.7	99.4		40-140			
Fluorene	3.24	0.79	mg/Kg dry	1.93	1.04	114		40-140			
Hexachlorobenzene	1.70	1.6	mg/Kg dry	1.93	ND	87.9		40-140			
Hexachlorobutadiene	1.38	1.6	mg/Kg dry	1.93	ND	71.4		40-140			
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	1.93	ND		*	40-140			MS-09
Hexachloroethane	1.13	1.6	mg/Kg dry	1.93	ND	58.7		40-140			

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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 B079751 - SW-846 3546											
Matrix Spike (B079751-MS1)	**Source: 13H1034-02**			Prepared: 08/28/13 Analyzed: 08/30/13							
Indeno(1,2,3-cd)pyrene	4.65	0.79	mg/Kg dry	1.93	3.46	61.7		40-140			
Isophorone	1.54	1.6	mg/Kg dry	1.93	ND	80.1		40-140			
2-Methylnaphthalene	1.77	0.79	mg/Kg dry	1.93	ND	91.6		40-140			
2-Methylphenol	1.31	1.6	mg/Kg dry	1.93	ND	67.9		30-130			
3/4-Methylphenol	2.68	1.6	mg/Kg dry	1.93	ND	**139**	*	30-130			MS-15
Naphthalene	1.67	0.79	mg/Kg dry	1.93	ND	86.6		40-140			
2-Nitroaniline	1.83	1.6	mg/Kg dry	1.93	ND	95.0		40-140			
3-Nitroaniline	1.58	1.6	mg/Kg dry	1.93	ND	81.7		40-140			
4-Nitroaniline	1.61	1.6	mg/Kg dry	1.93	ND	83.3		40-140			
Nitrobenzene	1.35	1.6	mg/Kg dry	1.93	ND	70.2		40-140			
2-Nitrophenol	1.43	1.6	mg/Kg dry	1.93	ND	74.2		30-130			
4-Nitrophenol	ND	3.1	mg/Kg dry	1.93	ND		*	30-130			MS-09
N-Nitrosodiphenylamine	2.37	1.6	mg/Kg dry	1.93	ND	123		40-140			
N-Nitrosodi-n-propylamine	1.41	1.6	mg/Kg dry	1.93	ND	73.3		40-140			
Pentachloronitrobenzene	1.66	1.6	mg/Kg dry	1.93	ND	86.1		40-140			V-16
Pentachlorophenol	2.19	1.6	mg/Kg dry	1.93	ND	114		30-130			
Phenanthrene	14.3	0.79	mg/Kg dry	1.93	8.95	**276**	*	40-140			MS-12
Phenol	1.27	1.6	mg/Kg dry	1.93	ND	65.9		30-130			
Pyrene	18.4	0.79	mg/Kg dry	1.93	16.2	114		40-140			
Pyridine	0.704	1.6	mg/Kg dry	1.93	ND	**36.5**	*	40-140			MS-22
1,2,4,5-Tetrachlorobenzene	1.54	1.6	mg/Kg dry	1.93	ND	80.1		40-140			
1,2,4-Trichlorobenzene	1.35	1.6	mg/Kg dry	1.93	ND	69.8		40-140			
2,4,5-Trichlorophenol	1.72	1.6	mg/Kg dry	1.93	ND	89.4		30-130			
2,4,6-Trichlorophenol	1.69	1.6	mg/Kg dry	1.93	ND	87.6		30-130			
Surrogate: 2-Fluorophenol	*4.98*		mg/Kg dry	7.72		64.6		30-130			
Surrogate: Phenol-d6	*5.48*		mg/Kg dry	7.72		71.0		30-130			
Surrogate: Nitrobenzene-d5	*2.68*		mg/Kg dry	3.86		69.5		30-130			
Surrogate: 2-Fluorobiphenyl	*3.19*		mg/Kg dry	3.86		82.6		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.87*		mg/Kg dry	7.72		89.1		30-130			
Surrogate: p-Terphenyl-d14	*3.96*		mg/Kg dry	3.86		103		30-130			
Matrix Spike Dup (B079751-MSD1)	**Source: 13H1034-02**			Prepared: 08/28/13 Analyzed: 08/31/13							
Acenaphthene	1.87	0.79	mg/Kg dry	1.93	ND	97.0		40-140	6.62	30	
Acenaphthylene	3.19	0.79	mg/Kg dry	1.93	1.32	97.0		40-140	2.49	30	
Aniline	ND	1.6	mg/Kg dry	1.93	ND		*	40-140		30	MS-09
Anthracene	3.87	0.79	mg/Kg dry	1.93	1.50	123		40-140	4.94	30	
Benzo(a)anthracene	9.74	0.79	mg/Kg dry	1.93	7.17	133		40-140	5.73	30	
Benzo(a)pyrene	8.41	0.79	mg/Kg dry	1.93	6.15	117		40-140	4.18	30	
Benzo(b)fluoranthene	9.83	0.79	mg/Kg dry	1.93	7.32	130		40-140	4.87	30	
Benzo(g,h,i)perylene	4.28	0.79	mg/Kg dry	1.93	3.07	62.6		40-140	0.325	30	
Benzo(k)fluoranthene	5.06	0.79	mg/Kg dry	1.93	2.72	121		40-140	3.51	30	
Bis(2-chloroethoxy)methane	1.59	1.6	mg/Kg dry	1.93	ND	82.6		40-140	5.07	30	
Bis(2-chloroethyl)ether	1.56	1.6	mg/Kg dry	1.93	ND	81.0		40-140	17.6	30	
Bis(2-chloroisopropyl)ether	1.44	1.6	mg/Kg dry	1.93	ND	74.9		40-140	8.58	30	
Bis(2-Ethylhexyl)phthalate	1.68	1.6	mg/Kg dry	1.93	ND	87.3		40-140	1.64	30	
4-Bromophenylphenylether	1.66	1.6	mg/Kg dry	1.93	ND	86.2		40-140	7.93	30	
Butylbenzylphthalate	1.78	1.6	mg/Kg dry	1.93	ND	92.4		40-140	4.42	30	
Carbazole	2.66	0.79	mg/Kg dry	1.93	ND	138		40-140	13.6	30	
4-Chloroaniline	1.05	3.1	mg/Kg dry	1.93	ND	54.4		40-140	0.590	30	
4-Chloro-3-methylphenol	1.70	3.1	mg/Kg dry	1.93	ND	88.0		30-130	6.76	30	
2-Chloronaphthalene	1.34	1.6	mg/Kg dry	1.93	ND	69.5		40-140	7.96	30	
2-Chlorophenol	1.42	1.6	mg/Kg dry	1.93	ND	73.4		30-130	6.52	30	

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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 B079751 - SW-846 3546											
Matrix Spike Dup (B079751-MSD1)	**Source: 13H1034-02**			Prepared: 08/28/13 Analyzed: 08/31/13							
4-Chlorophenylphenylether	1.55	1.6	mg/Kg dry	1.93	ND	80.5		40-140	10.0	30	
Chrysene	10.7	0.79	mg/Kg dry	1.93	8.00	139		40-140	6.90	30	
Dibenz(a,h)anthracene	2.17	0.79	mg/Kg dry	1.93	0.903	65.8		40-140	1.36	30	
Dibenzofuran	2.07	1.6	mg/Kg dry	1.93	ND	107		40-140	3.74	30	
Di-n-butylphthalate	1.76	1.6	mg/Kg dry	1.93	ND	91.2		40-140	3.03	30	
3,3-Dichlorobenzidine	0.910	0.79	mg/Kg dry	1.93	ND	47.2		40-140	2.01	30	
2,4-Dichlorophenol	1.53	1.6	mg/Kg dry	1.93	ND	79.3		30-130	4.83	30	
Diethylphthalate	1.66	1.6	mg/Kg dry	1.93	ND	85.9		40-140	8.04	30	
2,4-Dimethylphenol	1.64	1.6	mg/Kg dry	1.93	ND	85.0		30-130	0.377	30	
Dimethylphthalate	1.68	1.6	mg/Kg dry	1.93	ND	87.0		40-140	3.79	30	
4,6-Dinitro-2-methylphenol	2.24	1.6	mg/Kg dry	1.93	ND	116		30-130	1.09	30	V-19
2,4-Dinitrophenol	2.23	3.1	mg/Kg dry	1.93	ND	115		30-130	0.835	30	
2,4-Dinitrotoluene	1.66	1.6	mg/Kg dry	1.93	ND	86.2		40-140	17.0	30	
2,6-Dinitrotoluene	1.86	1.6	mg/Kg dry	1.93	ND	96.3		40-140	2.87	30	
Di-n-octylphthalate	ND	3.1	mg/Kg dry	1.93	ND		*	40-140		30	MS-09
Fluoranthene	17.3	0.79	mg/Kg dry	1.93	12.7	**239**	*	40-140	16.8	30	MS-22
Fluorene	3.13	0.79	mg/Kg dry	1.93	1.04	108		40-140	3.44	30	
Hexachlorobenzene	1.62	1.6	mg/Kg dry	1.93	ND	84.1		40-140	4.47	30	
Hexachlorobutadiene	1.51	1.6	mg/Kg dry	1.93	ND	78.2		40-140	9.09	30	
Hexachlorocyclopentadiene	ND	1.6	mg/Kg dry	1.93	ND		*	40-140		30	MS-09
Hexachloroethane	1.29	1.6	mg/Kg dry	1.93	ND	66.9		40-140	13.0	30	
Indeno(1,2,3-cd)pyrene	4.70	0.79	mg/Kg dry	1.93	3.46	64.2		40-140	1.02	30	
Isophorone	1.67	1.6	mg/Kg dry	1.93	ND	86.6		40-140	7.78	30	
2-Methylnaphthalene	1.75	0.79	mg/Kg dry	1.93	ND	90.9		40-140	0.789	30	
2-Methylphenol	1.39	1.6	mg/Kg dry	1.93	ND	72.0		30-130	5.83	30	
3/4-Methylphenol	2.52	1.6	mg/Kg dry	1.93	ND	**131**	*	30-130	5.94	30	MS-15
Naphthalene	1.85	0.79	mg/Kg dry	1.93	ND	95.7		40-140	9.92	30	
2-Nitroaniline	1.63	1.6	mg/Kg dry	1.93	ND	84.3		40-140	11.9	30	
3-Nitroaniline	1.53	1.6	mg/Kg dry	1.93	ND	79.2		40-140	3.08	30	
4-Nitroaniline	1.55	1.6	mg/Kg dry	1.93	ND	80.2		40-140	3.72	30	
Nitrobenzene	1.56	1.6	mg/Kg dry	1.93	ND	80.7		40-140	13.9	30	
2-Nitrophenol	1.57	1.6	mg/Kg dry	1.93	ND	81.4		30-130	9.36	30	
4-Nitrophenol	ND	3.1	mg/Kg dry	1.93	ND		*	30-130		30	MS-09
N-Nitrosodiphenylamine	2.22	1.6	mg/Kg dry	1.93	ND	115		40-140	6.32	30	
N-Nitrosodi-n-propylamine	1.54	1.6	mg/Kg dry	1.93	ND	80.1		40-140	8.87	30	
Pentachloronitrobenzene	1.70	1.6	mg/Kg dry	1.93	ND	88.2		40-140	2.48	30	V-16
Pentachlorophenol	2.27	1.6	mg/Kg dry	1.93	ND	118		30-130	3.32	30	
Phenanthrene	14.9	0.79	mg/Kg dry	1.93	8.95	**310**	*	40-140	4.50	30	MS-12
Phenol	1.42	1.6	mg/Kg dry	1.93	ND	73.5		30-130	10.9	30	
Pyrene	20.8	0.79	mg/Kg dry	1.93	16.2	**239**	*	40-140	12.3	30	MS-22
Pyridine	0.818	1.6	mg/Kg dry	1.93	ND	42.4		40-140	15.0	30	
1,2,4,5-Tetrachlorobenzene	1.57	1.6	mg/Kg dry	1.93	ND	81.6		40-140	1.88	30	
1,2,4-Trichlorobenzene	1.48	1.6	mg/Kg dry	1.93	ND	76.6		40-140	9.18	30	
2,4,5-Trichlorophenol	1.68	1.6	mg/Kg dry	1.93	ND	87.0		30-130	2.63	30	
2,4,6-Trichlorophenol	1.63	1.6	mg/Kg dry	1.93	ND	84.4		30-130	3.72	30	
Surrogate: 2-Fluorophenol	*5.64*		mg/Kg dry	7.72		73.1		30-130			
Surrogate: Phenol-d6	*5.80*		mg/Kg dry	7.72		75.1		30-130			
Surrogate: Nitrobenzene-d5	*2.94*		mg/Kg dry	3.86		76.2		30-130			
Surrogate: 2-Fluorobiphenyl	*3.09*		mg/Kg dry	3.86		80.1		30-130			
Surrogate: 2,4,6-Tribromophenol	*6.60*		mg/Kg dry	7.72		85.5		30-130			
Surrogate: p-Terphenyl-d14	*4.00*		mg/Kg dry	3.86		104		30-130			

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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 B079861 - SW-846 3546										
Blank (B079861-BLK1)				Prepared: 08/29/13 Analyzed: 09/03/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079861 - SW-846 3546											
Blank (B079861-BLK1)				Prepared: 08/29/13 Analyzed: 09/03/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*6.05*		mg/Kg wet	6.67		90.8	30-130				
Surrogate: Phenol-d6	*5.84*		mg/Kg wet	6.67		87.6	30-130				
Surrogate: Nitrobenzene-d5	*2.88*		mg/Kg wet	3.33		86.4	30-130				
Surrogate: 2-Fluorobiphenyl	*2.88*		mg/Kg wet	3.33		86.5	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.32*		mg/Kg wet	6.67		94.9	30-130				
Surrogate: p-Terphenyl-d14	*3.13*		mg/Kg wet	3.33		93.8	30-130				
LCS (B079861-BS1)				Prepared: 08/29/13 Analyzed: 09/03/13							
Acenaphthene	1.39	0.17	mg/Kg wet	1.67		83.3	40-140				
Acenaphthylene	1.36	0.17	mg/Kg wet	1.67		81.6	40-140				
Aniline	1.00	0.34	mg/Kg wet	1.67		60.1	40-140				†
Anthracene	1.38	0.17	mg/Kg wet	1.67		83.1	40-140				
Benzo(a)anthracene	1.43	0.17	mg/Kg wet	1.67		85.9	40-140				
Benzo(a)pyrene	1.48	0.17	mg/Kg wet	1.67		89.1	40-140				
Benzo(b)fluoranthene	1.48	0.17	mg/Kg wet	1.67		88.7	40-140				
Benzo(g,h,i)perylene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140				
Benzo(k)fluoranthene	1.54	0.17	mg/Kg wet	1.67		92.6	40-140				
Bis(2-chloroethoxy)methane	1.39	0.34	mg/Kg wet	1.67		83.2	40-140				
Bis(2-chloroethyl)ether	1.46	0.34	mg/Kg wet	1.67		87.9	40-140				
Bis(2-chloroisopropyl)ether	1.39	0.34	mg/Kg wet	1.67		83.1	40-140				
Bis(2-Ethylhexyl)phthalate	1.47	0.34	mg/Kg wet	1.67		88.4	40-140				
4-Bromophenylphenylether	1.41	0.34	mg/Kg wet	1.67		84.6	40-140				
Butylbenzylphthalate	1.55	0.34	mg/Kg wet	1.67		92.9	40-140				
Carbazole	1.46	0.17	mg/Kg wet	1.67		87.8	40-140				
4-Chloroaniline	0.669	0.66	mg/Kg wet	1.67		40.1	40-140				†
4-Chloro-3-methylphenol	1.24	0.66	mg/Kg wet	1.67		74.3	30-130				
2-Chloronaphthalene	1.22	0.34	mg/Kg wet	1.67		73.1	40-140				
2-Chlorophenol	1.35	0.34	mg/Kg wet	1.67		80.7	30-130				
4-Chlorophenylphenylether	1.44	0.34	mg/Kg wet	1.67		86.1	40-140				
Chrysene	1.48	0.17	mg/Kg wet	1.67		88.8	40-140				
Dibenz(a,h)anthracene	1.23	0.17	mg/Kg wet	1.67		73.9	40-140				
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.8	40-140				
Di-n-butylphthalate	1.58	0.34	mg/Kg wet	1.67		94.9	40-140				
3,3-Dichlorobenzidine	1.04	0.17	mg/Kg wet	1.67		62.2	40-140				†
2,4-Dichlorophenol	1.33	0.34	mg/Kg wet	1.67		80.0	30-130				
Diethylphthalate	1.46	0.34	mg/Kg wet	1.67		87.7	40-140				
2,4-Dimethylphenol	1.49	0.34	mg/Kg wet	1.67		89.4	30-130				
Dimethylphthalate	1.47	0.34	mg/Kg wet	1.67		88.2	40-140				
4,6-Dinitro-2-methylphenol	1.47	0.34	mg/Kg wet	1.67		87.9	30-130				

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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 B079861 - SW-846 3546										
LCS (B079861-BS1)				Prepared: 08/29/13 Analyzed: 09/03/13						
2,4-Dinitrophenol	1.08	0.66	mg/Kg wet	1.67		64.8	30-130			V-19
2,4-Dinitrotoluene	1.44	0.34	mg/Kg wet	1.67		86.2	40-140			
2,6-Dinitrotoluene	1.49	0.34	mg/Kg wet	1.67		89.4	40-140			
Di-n-octylphthalate	1.66	0.67	mg/Kg wet	1.67		99.9	40-140			
Fluoranthene	1.51	0.17	mg/Kg wet	1.67		90.4	40-140			
Fluorene	1.38	0.17	mg/Kg wet	1.67		82.7	40-140			
Hexachlorobenzene	1.50	0.34	mg/Kg wet	1.67		89.7	40-140			
Hexachlorobutadiene	1.44	0.34	mg/Kg wet	1.67		86.3	40-140			
Hexachlorocyclopentadiene	0.994	0.34	mg/Kg wet	1.67		59.6	30-140			
Hexachloroethane	1.33	0.34	mg/Kg wet	1.67		79.5	40-140			
Indeno(1,2,3-cd)pyrene	1.23	0.17	mg/Kg wet	1.67		73.8	40-140			
Isophorone	1.33	0.34	mg/Kg wet	1.67		79.7	40-140			
2-Methylnaphthalene	1.33	0.17	mg/Kg wet	1.67		79.8	40-140			
2-Methylphenol	1.37	0.34	mg/Kg wet	1.67		82.2	30-130			
3/4-Methylphenol	1.27	0.34	mg/Kg wet	1.67		76.1	30-130			
Naphthalene	1.34	0.17	mg/Kg wet	1.67		80.5	40-140			
2-Nitroaniline	1.08	0.34	mg/Kg wet	1.67		64.9	40-140			
3-Nitroaniline	1.01	0.34	mg/Kg wet	1.67		60.6	40-140			†
4-Nitroaniline	1.12	0.34	mg/Kg wet	1.67		67.3	40-140			
Nitrobenzene	1.26	0.34	mg/Kg wet	1.67		75.3	40-140			
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.6	30-130			
4-Nitrophenol	1.14	0.66	mg/Kg wet	1.67		68.2	10-130			
N-Nitrosodiphenylamine	1.66	0.34	mg/Kg wet	1.67		99.7	40-140			
N-Nitrosodi-n-propylamine	1.33	0.34	mg/Kg wet	1.67		80.0	40-140			
Pentachloronitrobenzene	1.61	0.34	mg/Kg wet	1.67		96.5	40-140			V-16
Pentachlorophenol	1.49	0.34	mg/Kg wet	1.67		89.2	30-130			
Phenanthrene	1.44	0.17	mg/Kg wet	1.67		86.3	40-140			
Phenol	1.31	0.34	mg/Kg wet	1.67		78.5	20-130			
Pyrene	1.50	0.17	mg/Kg wet	1.67		89.9	40-140			
Pyridine	1.07	0.34	mg/Kg wet	1.67		64.0	10-140			†
1,2,4,5-Tetrachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.6	40-140			
1,2,4-Trichlorobenzene	1.38	0.34	mg/Kg wet	1.67		83.0	40-140			
2,4,5-Trichlorophenol	1.23	0.34	mg/Kg wet	1.67		74.1	30-130			
2,4,6-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.5	30-130			
Surrogate: 2-Fluorophenol	*5.57*		mg/Kg wet	6.67		83.6	30-130			
Surrogate: Phenol-d6	*5.26*		mg/Kg wet	6.67		78.9	30-130			
Surrogate: Nitrobenzene-d5	*2.63*		mg/Kg wet	3.33		78.9	30-130			
Surrogate: 2-Fluorobiphenyl	*2.62*		mg/Kg wet	3.33		78.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.26*		mg/Kg wet	6.67		93.8	30-130			
Surrogate: p-Terphenyl-d14	*3.13*		mg/Kg wet	3.33		94.0	30-130			
LCS Dup (B079861-BSD1)				Prepared: 08/29/13 Analyzed: 09/03/13						
Acenaphthene	1.38	0.17	mg/Kg wet	1.67		82.6	40-140	0.892	30	
Acenaphthylene	1.36	0.17	mg/Kg wet	1.67		81.7	40-140	0.147	30	
Aniline	0.923	0.34	mg/Kg wet	1.67		55.4	40-140	8.14	50	† ‡
Anthracene	1.38	0.17	mg/Kg wet	1.67		82.8	40-140	0.362	30	
Benzo(a)anthracene	1.43	0.17	mg/Kg wet	1.67		85.7	40-140	0.210	30	
Benzo(a)pyrene	1.46	0.17	mg/Kg wet	1.67		87.6	40-140	1.68	30	
Benzo(b)fluoranthene	1.49	0.17	mg/Kg wet	1.67		89.5	40-140	0.853	30	
Benzo(g,h,i)perylene	1.04	0.17	mg/Kg wet	1.67		62.1	40-140	3.04	30	
Benzo(k)fluoranthene	1.50	0.17	mg/Kg wet	1.67		89.9	40-140	2.94	30	
Bis(2-chloroethoxy)methane	1.40	0.34	mg/Kg wet	1.67		84.0	40-140	0.933	30	

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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 B079861 - SW-846 3546												
LCS Dup (B079861-BSD1)				Prepared: 08/29/13 Analyzed: 09/03/13								
Bis(2-chloroethyl)ether	1.45	0.34	mg/Kg wet	1.67		87.3		40-140	0.662	30		
Bis(2-chloroisopropyl)ether	1.37	0.34	mg/Kg wet	1.67		82.5		40-140	0.797	30		
Bis(2-Ethylhexyl)phthalate	1.46	0.34	mg/Kg wet	1.67		87.9		40-140	0.635	30		
4-Bromophenylphenylether	1.41	0.34	mg/Kg wet	1.67		84.7		40-140	0.0945	30		
Butylbenzylphthalate	1.55	0.34	mg/Kg wet	1.67		92.7		40-140	0.172	30		
Carbazole	1.47	0.17	mg/Kg wet	1.67		88.2		40-140	0.500	30		
4-Chloroaniline	0.554	0.66	mg/Kg wet	1.67		**33.2**	*	40-140	18.8	30	L-07	†
4-Chloro-3-methylphenol	1.38	0.66	mg/Kg wet	1.67		82.7		30-130	10.7	30		
2-Chloronaphthalene	1.20	0.34	mg/Kg wet	1.67		71.9		40-140	1.65	30		
2-Chlorophenol	1.35	0.34	mg/Kg wet	1.67		81.0		30-130	0.297	30		
4-Chlorophenylphenylether	1.43	0.34	mg/Kg wet	1.67		85.6		40-140	0.606	30		
Chrysene	1.45	0.17	mg/Kg wet	1.67		86.8		40-140	2.23	30		
Dibenz(a,h)anthracene	1.17	0.17	mg/Kg wet	1.67		70.3		40-140	5.08	30		
Dibenzofuran	1.30	0.34	mg/Kg wet	1.67		78.0		40-140	1.05	30		
Di-n-butylphthalate	1.60	0.34	mg/Kg wet	1.67		95.9		40-140	0.985	30		
3,3-Dichlorobenzidine	0.960	0.17	mg/Kg wet	1.67		57.6		40-140	7.68	30		† ‡
2,4-Dichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.6		30-130	0.797	30		
Diethylphthalate	1.43	0.34	mg/Kg wet	1.67		85.7		40-140	2.40	30		
2,4-Dimethylphenol	1.49	0.34	mg/Kg wet	1.67		89.5		30-130	0.0447	30		
Dimethylphthalate	1.44	0.34	mg/Kg wet	1.67		86.5		40-140	1.97	50		
4,6-Dinitro-2-methylphenol	1.48	0.34	mg/Kg wet	1.67		88.8		30-130	0.928	50		
2,4-Dinitrophenol	1.09	0.66	mg/Kg wet	1.67		65.5		30-130	1.17	50	V-19	
2,4-Dinitrotoluene	1.40	0.34	mg/Kg wet	1.67		83.9		40-140	2.77	30		
2,6-Dinitrotoluene	1.45	0.34	mg/Kg wet	1.67		86.8		40-140	3.02	30		
Di-n-octylphthalate	1.64	0.67	mg/Kg wet	1.67		98.6		40-140	1.29	30		
Fluoranthene	1.51	0.17	mg/Kg wet	1.67		90.5		40-140	0.0885	30		
Fluorene	1.36	0.17	mg/Kg wet	1.67		81.6		40-140	1.29	30		
Hexachlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.4		40-140	0.777	30		
Hexachlorobutadiene	1.44	0.34	mg/Kg wet	1.67		86.5		40-140	0.232	30		
Hexachlorocyclopentadiene	0.959	0.34	mg/Kg wet	1.67		57.5		30-140	3.58	50		
Hexachloroethane	1.31	0.34	mg/Kg wet	1.67		78.8		40-140	0.935	50		
Indeno(1,2,3-cd)pyrene	1.20	0.17	mg/Kg wet	1.67		72.0		40-140	2.47	50		
Isophorone	1.34	0.34	mg/Kg wet	1.67		80.5		40-140	0.999	30		
2-Methylnaphthalene	1.34	0.17	mg/Kg wet	1.67		80.3		40-140	0.575	30		
2-Methylphenol	1.50	0.34	mg/Kg wet	1.67		89.7		30-130	8.72	30		
3/4-Methylphenol	1.30	0.34	mg/Kg wet	1.67		78.0		30-130	2.39	30		
Naphthalene	1.34	0.17	mg/Kg wet	1.67		80.2		40-140	0.324	30		
2-Nitroaniline	1.04	0.34	mg/Kg wet	1.67		62.6		40-140	3.55	30		
3-Nitroaniline	0.900	0.34	mg/Kg wet	1.67		54.0		40-140	11.5	30		†
4-Nitroaniline	1.03	0.34	mg/Kg wet	1.67		61.7		40-140	8.72	30		
Nitrobenzene	1.27	0.34	mg/Kg wet	1.67		76.1		40-140	1.00	30		
2-Nitrophenol	1.45	0.34	mg/Kg wet	1.67		87.0		30-130	0.530	30		
4-Nitrophenol	1.08	0.66	mg/Kg wet	1.67		64.9		10-130	4.99	50		‡
N-Nitrosodiphenylamine	1.65	0.34	mg/Kg wet	1.67		99.1		40-140	0.664	30		
N-Nitrosodi-n-propylamine	1.33	0.34	mg/Kg wet	1.67		79.9		40-140	0.0500	30		
Pentachloronitrobenzene	1.60	0.34	mg/Kg wet	1.67		95.9		40-140	0.624	30	V-16	
Pentachlorophenol	1.50	0.34	mg/Kg wet	1.67		90.2		30-130	1.05	50		
Phenanthrene	1.43	0.17	mg/Kg wet	1.67		86.0		40-140	0.371	30		
Phenol	1.30	0.34	mg/Kg wet	1.67		77.8		20-130	0.870	30		
Pyrene	1.49	0.17	mg/Kg wet	1.67		89.6		40-140	0.312	30		
Pyridine	1.05	0.34	mg/Kg wet	1.67		63.0		10-140	1.57	50		†
1,2,4,5-Tetrachlorobenzene	1.41	0.34	mg/Kg wet	1.67		84.4		40-140	0.929	30		

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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 B079861 - SW-846 3546										
LCS Dup (B079861-BSD1)				Prepared: 08/29/13 Analyzed: 09/03/13						
1,2,4-Trichlorobenzene	1.40	0.34	mg/Kg wet	1.67		83.7	40-140	0.864	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.5	30-130	0.538	30	
2,4,6-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.3	30-130	0.299	50	
Surrogate: 2-Fluorophenol	*5.39*		mg/Kg wet	6.67		80.9	30-130			
Surrogate: Phenol-d6	*5.08*		mg/Kg wet	6.67		76.2	30-130			
Surrogate: Nitrobenzene-d5	*2.55*		mg/Kg wet	3.33		76.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.55*		mg/Kg wet	3.33		76.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.98*		mg/Kg wet	6.67		89.6	30-130			
Surrogate: p-Terphenyl-d14	*3.02*		mg/Kg wet	3.33		90.6	30-130			

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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 B079732 - SW-846 3546											
Blank (B079732-BLK1)				Prepared & Analyzed: 08/28/13							
Aroclor-1016	ND	0.020	mg/Kg wet								
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1221	ND	0.020	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1232	ND	0.020	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1242	ND	0.020	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1248	ND	0.020	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1254	ND	0.020	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1262	ND	0.020	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1268	ND	0.020	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.266*		mg/Kg wet	0.200		133		30-150			
Surrogate: Tetrachloro-m-xylene	*0.158*		mg/Kg wet	0.200		78.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.236*		mg/Kg wet	0.200		118		30-150			
LCS (B079732-BS1)				Prepared & Analyzed: 08/28/13							
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		93.0		40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg wet	0.200		**144**	*	40-140			L-11, V-06
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		97.4		40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg wet	0.200		**146**	*	40-140			L-11, V-06
Surrogate: Decachlorobiphenyl	*0.209*		mg/Kg wet	0.200		104		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.267*		mg/Kg wet	0.200		134		30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.244*		mg/Kg wet	0.200		122		30-150			
LCS Dup (B079732-BSD1)				Prepared & Analyzed: 08/28/13							
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		99.2		40-140	6.39	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg wet	0.200		**154**	*	40-140	6.32	30	L-11, V-06
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		104		40-140	7.07	30	
Aroclor-1260 [2C]	0.32	0.10	mg/Kg wet	0.200		**158**	*	40-140	8.06	30	L-11, V-06
Surrogate: Decachlorobiphenyl	*0.222*		mg/Kg wet	0.200		111		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.286*		mg/Kg wet	0.200		143		30-150			
Surrogate: Tetrachloro-m-xylene	*0.180*		mg/Kg wet	0.200		90.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.256*		mg/Kg wet	0.200		128		30-150			

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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 B079732 - SW-846 3546											
Matrix Spike (B079732-MS1)	**Source: 13H1034-20**			Prepared: 08/28/13 Analyzed: 08/29/13							
Aroclor-1016	0.23	0.11	mg/Kg dry	0.225	ND	102		40-140			
Aroclor-1016 [2C]	0.35	0.11	mg/Kg dry	0.225	ND	**158**	*	40-140			MS-15, V-06
Aroclor-1260	0.24	0.11	mg/Kg dry	0.225	ND	108		40-140			
Aroclor-1260 [2C]	0.36	0.11	mg/Kg dry	0.225	ND	**159**	*	40-140			MS-15, V-06
Surrogate: Decachlorobiphenyl	*0.257*		mg/Kg dry	0.225		114		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.332*		mg/Kg dry	0.225		148		30-150			
Surrogate: Tetrachloro-m-xylene	*0.211*		mg/Kg dry	0.225		94.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.302*		mg/Kg dry	0.225		135		30-150			
Matrix Spike Dup (B079732-MSD1)	**Source: 13H1034-20**			Prepared: 08/28/13 Analyzed: 08/29/13							
Aroclor-1016	0.21	0.11	mg/Kg dry	0.227	ND	93.6		40-140	7.96	30	
Aroclor-1016 [2C]	0.33	0.11	mg/Kg dry	0.227	ND	**145**	*	40-140	7.19	30	MS-15, V-06
Aroclor-1260	0.22	0.11	mg/Kg dry	0.227	ND	98.4		40-140	8.53	30	
Aroclor-1260 [2C]	0.34	0.11	mg/Kg dry	0.227	ND	**151**	*	40-140	4.24	30	MS-15, V-06
Surrogate: Decachlorobiphenyl	*0.228*		mg/Kg dry	0.227		100		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.297*		mg/Kg dry	0.227		131		30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg dry	0.227		83.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.268*		mg/Kg dry	0.227		118		30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B079750 - SW-846 3546											
Blank (B079750-BLK1)				Prepared: 08/28/13 Analyzed: 08/29/13							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.37*		mg/Kg wet	3.33		71.1		50-150			
LCS (B079750-BS1)				Prepared: 08/28/13 Analyzed: 08/29/13							
CT ETPH	23.5	10	mg/Kg wet	33.3		70.4		60-120			
Surrogate: o-Terphenyl	*2.35*		mg/Kg wet	3.33		70.5		50-150			
LCS Dup (B079750-BSD1)				Prepared: 08/28/13 Analyzed: 08/29/13							
CT ETPH	25.7	10	mg/Kg wet	33.3		77.2		60-120	9.32	30	
Surrogate: o-Terphenyl	*2.51*		mg/Kg wet	3.33		75.4		50-150			
Matrix Spike (B079750-MS1)	**Source: 13H1034-01**			Prepared: 08/28/13 Analyzed: 08/30/13							
CT ETPH	617	110	mg/Kg dry	37.7	705	**-234**	*	50-150			MS-19
Surrogate: o-Terphenyl	*2.24*		mg/Kg dry	3.77		59.6		50-150			
Matrix Spike Dup (B079750-MSD1)	**Source: 13H1034-01**			Prepared: 08/28/13 Analyzed: 08/30/13							
CT ETPH	656	110	mg/Kg dry	37.7	705	**-131**	*	50-150	6.12	30	MS-19
Surrogate: o-Terphenyl	*1.65*		mg/Kg dry	3.77		**43.8**	*	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079757 - SW-846 3050B										
Blank (B079757-BLK1)				Prepared: 08/28/13 Analyzed: 08/29/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							
LCS (B079757-BS1)				Prepared: 08/28/13 Analyzed: 08/29/13						
Arsenic	182	4.7	mg/Kg wet	182		99.9	83-117.6			
Barium	137	4.7	mg/Kg wet	143		95.7	83.2-117.5			
Cadmium	61.0	0.47	mg/Kg wet	60.4		101	83.1-116.9			
Chromium	123	0.95	mg/Kg wet	125		98.5	81.6-117.6			
Copper	80.5	0.95	mg/Kg wet	80.1		100	83.8-116.1			
Lead	119	1.4	mg/Kg wet	136		87.4	82.4-117.8			
Nickel	120	0.95	mg/Kg wet	128		93.7	84.4-115.6			
Selenium	87.8	9.5	mg/Kg wet	85.9		102	80-120			
Silver	55.2	0.95	mg/Kg wet	61.3		90.0	66.2-133.8			
Zinc	192	1.9	mg/Kg wet	204		93.9	81.9-117.6			
LCS Dup (B079757-BSD1)				Prepared: 08/28/13 Analyzed: 08/29/13						
Arsenic	181	4.8	mg/Kg wet	182		99.7	83-117.6	0.267	30	
Barium	137	4.8	mg/Kg wet	143		96.1	83.2-117.5	0.438	30	
Cadmium	60.0	0.48	mg/Kg wet	60.4		99.3	83.1-116.9	1.77	30	
Chromium	121	0.96	mg/Kg wet	125		97.0	81.6-117.6	1.47	30	
Copper	79.2	0.96	mg/Kg wet	80.1		98.9	83.8-116.1	1.59	30	
Lead	118	1.4	mg/Kg wet	136		86.5	82.4-117.8	1.03	30	
Nickel	118	0.96	mg/Kg wet	128		92.6	84.4-115.6	1.26	30	
Selenium	87.1	9.6	mg/Kg wet	85.9		101	80-120	0.787	30	
Silver	54.3	0.96	mg/Kg wet	61.3		88.6	66.2-133.8	1.62	30	
Zinc	189	1.9	mg/Kg wet	204		92.8	81.9-117.6	1.20	30	
MRL Check (B079757-MRL1)				Prepared: 08/28/13 Analyzed: 08/29/13						
Lead	0.741	0.77	mg/Kg wet	0.771		96.1	80-120			
Batch B079826 - SW-846 3050B										
Blank (B079826-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079826 - SW-846 3050B										
LCS (B079826-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	181	5.0	mg/Kg wet	182		99.5	83-117.6			
Barium	137	5.0	mg/Kg wet	143		95.5	83.2-117.5			
Cadmium	63.2	0.50	mg/Kg wet	60.4		105	83.1-116.9			
Chromium	124	1.0	mg/Kg wet	125		99.1	81.6-117.6			
Copper	82.2	1.0	mg/Kg wet	80.1		103	83.8-116.1			
Lead	124	1.5	mg/Kg wet	136		91.4	82.4-117.8			
Nickel	122	1.0	mg/Kg wet	128		95.1	84.4-115.6			
Selenium	87.0	10	mg/Kg wet	85.9		101	80-120			
Silver	55.8	1.0	mg/Kg wet	61.3		91.0	66.2-133.8			
Zinc	192	2.0	mg/Kg wet	204		94.0	81.9-117.6			
LCS Dup (B079826-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	181	5.0	mg/Kg wet	182		99.6	83-117.6	0.157	30	
Barium	134	5.0	mg/Kg wet	143		93.8	83.2-117.5	1.75	30	
Cadmium	60.6	0.50	mg/Kg wet	60.4		100	83.1-116.9	4.21	30	
Chromium	122	1.0	mg/Kg wet	125		97.5	81.6-117.6	1.64	30	
Copper	79.8	1.0	mg/Kg wet	80.1		99.7	83.8-116.1	2.94	30	
Lead	125	1.5	mg/Kg wet	136		91.7	82.4-117.8	0.276	30	
Nickel	119	1.0	mg/Kg wet	128		93.3	84.4-115.6	1.95	30	
Selenium	83.2	10	mg/Kg wet	85.9		96.8	80-120	4.45	30	
Silver	54.8	1.0	mg/Kg wet	61.3		89.4	66.2-133.8	1.75	30	
Zinc	188	2.0	mg/Kg wet	204		92.2	81.9-117.6	1.91	30	
Duplicate (B079826-DUP1)	**Source: 13H1034-29**			Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	ND	2.8	mg/Kg dry		ND			NC	35	
Barium	48.2	2.8	mg/Kg dry		47.8			0.920	35	
Cadmium	0.320	0.28	mg/Kg dry		0.310			3.03	35	
Chromium	14.9	0.57	mg/Kg dry		14.9			0.641	35	
Copper	14.3	0.57	mg/Kg dry		13.4			6.61	35	
Lead	11.5	0.85	mg/Kg dry		11.0			4.87	35	
Nickel	7.76	0.57	mg/Kg dry		7.68			0.996	35	
Selenium	ND	5.7	mg/Kg dry		ND			NC	35	
Silver	ND	0.57	mg/Kg dry		ND			NC	35	
Zinc	28.3	1.1	mg/Kg dry		29.8			5.22	35	
MRL Check (B079826-MRL1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Lead	0.710	0.74	mg/Kg wet	0.735		96.6	80-120			
Matrix Spike (B079826-MS1)	**Source: 13H1034-29**			Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	26.9	2.7	mg/Kg dry	26.9	1.38	95.0	75-125			
Barium	71.5	2.7	mg/Kg dry	26.9	47.8	88.2	75-125			
Cadmium	25.7	0.27	mg/Kg dry	26.9	0.310	94.6	75-125			
Chromium	42.0	0.54	mg/Kg dry	26.9	14.9	101	75-125			
Copper	37.9	0.54	mg/Kg dry	26.9	13.4	91.2	75-125			
Lead	35.8	0.81	mg/Kg dry	26.9	11.0	92.4	75-125			
Nickel	31.5	0.54	mg/Kg dry	26.9	7.68	88.7	75-125			
Selenium	24.1	5.4	mg/Kg dry	26.9	ND	89.5	75-125			
Silver	23.3	0.54	mg/Kg dry	26.9	ND	86.8	75-125			
Zinc	54.0	1.1	mg/Kg dry	26.9	29.8	90.3	75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079842 - SW-846 7471										
Blank (B079842-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Mercury	ND	0.025	mg/Kg wet							
LCS (B079842-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Mercury	4.17	0.33	mg/Kg wet	4.05		103	71.6-128.1			
LCS Dup (B079842-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Mercury	3.76	0.33	mg/Kg wet	4.05		92.9	71.6-128.1	10.2	30	
Duplicate (B079842-DUP1)		**Source: 13H1034-22**		Prepared: 08/29/13 Analyzed: 08/30/13						
Mercury	ND	0.027	mg/Kg dry		ND			NC	35	
Matrix Spike (B079842-MS1)		**Source: 13H1034-22**		Prepared: 08/29/13 Analyzed: 08/30/13						
Mercury	0.225	0.027	mg/Kg dry	0.182	0.0233	111	75-125			
Batch B079927 - SW-846 7471										
Blank (B079927-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	ND	0.025	mg/Kg wet							
LCS (B079927-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	3.87	0.33	mg/Kg wet	4.05		95.5	71.6-128.1			
LCS Dup (B079927-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	3.92	0.33	mg/Kg wet	4.05		96.9	71.6-128.1	1.41	30	
Duplicate (B079927-DUP1)		**Source: 13H1034-30**		Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	ND	0.026	mg/Kg dry		ND			NC	35	
Matrix Spike (B079927-MS1)		**Source: 13H1034-30**		Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	0.192	0.026	mg/Kg dry	0.172	0.0218	99.2	75-125			

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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 B079963 - % Solids										
Duplicate (B079963-DUP1)	**Source: 13H1034-32**			Prepared: 08/31/13 Analyzed: 09/03/13						
% Solids	78.3		% Wt		79.1			1.02	20	
Duplicate (B079963-DUP4)	**Source: 13H1034-16**			Prepared: 08/31/13 Analyzed: 09/03/13						
% Solids	90.4		% Wt		90.8			0.442	20	

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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.
	No results have been blank subtracted unless specified in the case narrative section.
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample 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.
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-11	Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result 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-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-15	Matrix spike and matrix spike duplicate recoveries are outside of control limits. Data validation is not affected since results for this compound in this sample are "not detected", and recovery bias is on the high side.
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-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.
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. Increased 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 may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Hexachlorocyclopentadiene	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
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

13H1034

Rev 04.05.12

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East longmeadow, MA 01028

Page 1 of 4

Company Name: Loureiro Engineering Assoc
Telephone: 860 410 6181
Address: 100 Northwest Dr
Plainville CT
Project #: 18 HM 301.006
Client PO#:
Attention: Darby Hittle
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #:
Email: DJHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	RCRA 8 Cu, Ni, Zn	Hold	PCB's	# of Containers
01	1287309	8/27/13	1005		✓	S		✓	✓	✓		✓			
02	1287310		1010		✓	S		✓	✓	✓		✓			
03	1287311		1020		✓	S							✓		
04	1287312		1035		✓	S		✓	✓	✓		✓			
05	1287313		1040		✓	S		✓	✓	✓		✓			
06	1287314		1110		✓	S		✓	✓	✓		✓			
07	1287315		1120		✓	S		✓	✓	✓		✓			
08	1287316		1135		✓	S		✓	✓	✓		✓			
09	1287317		1145		✓	S		✓	✓	✓		✓			
10	1287318		1155		✓	S							✓		

ANALYSIS REQUESTED

** 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 bisulfa
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

Comments:

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)	8/27/13	Date/Time: 3PM
Received by: (signature)	8/27/13	Date/Time: 3PM
Relinquished by: (signature)	8/27/13	Date/Time: 5PM
Received by: (signature) 4.5°	8/27/13	Date/Time: 1755

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____
8/27/13 1830 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

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CHAIN OF CUSTODY RECORD

13H1034

Rev 04.05.12

con-test ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 2 of 4

Company Name: Loureiro Engineering Assoc
Telephone: 860 40 8181
Address: 100 Northwest Dr
Plainville CT
Project # 18HM301.006
Client PO#
Attention: Darby Hittle
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #
Email: DSHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code
11	1287319	8/27/13	1210		✓	S		1	I	A
12	1287355		1211		✓	S		1	I	A
13	1287320		1230		✓	S		1	H	A
14	1287321		1220		✓	S		1	I	A
15	1287322		1320		✓	S		1	I	A
16	1287354		1321		✓	S		1	I	A
17	1287323		1325		✓	S		1	I	A
18	1287324		1335		✓	S		1	H	A
19	1287360		1340		✓	S		1	I	A
20	1287361	↓	1350		✓	S		1	I	A

ANALYSIS REQUESTED

VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	RCRA 8 Cu, Ni, Zn	HOLD	PCB's	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 bisulfa
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____

Comments:

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:
TJN 8/27/13	3
Received by: (signature) 8/27/13	3
Relinquished by: (signature) 8/27/13	5
Received by: (signature) 4.5° 8/27/13	1755

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____
8/27/13 1830 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

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CHAIN OF CUSTODY RECORD

13H1034

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Fax: 413-525-6405
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39 Spruce Street
East longmeadow, MA 01028

Company Name: Loureiro Engineering Assoc
Address: 100 Northwest Dr
Plainville CT
Attention: Darby Hittle
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 ~~401~~ 410 6181
Project # 18HM301.006
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ● PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	RCRA 8 Cr, Ni, Zn	Hold	PCB's							# of Containers
21	1287362	8/27/13	1400		✓	S		TJN	✓				✓								
22	1287363		1410		✓	S		✓	✓	✓		✓									
23	1287364		1420		✓	S		✓	✓	✓		✓									
24	1287365		1425		✓	S							✓								
25	1287366		1435		✓	S			✓			✓									
26	1287367		1445		✓	S			✓			✓									
27	1287368		1500		✓	S			✓			✓									
28	1287369		1515		✓	S			✓			✓									
29	1287370		1530		✓	S			✓			✓									
30	1287371		1535		✓	S			✓			✓									

ANALYSIS REQUESTED

Dissolved Meta
○ 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 bisulf
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
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S = soil/solid
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Comments:

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)	8/27/13	Date/Time: 3
Received by: (signature)	8/27/13	Date/Time: 3
Relinquished by: (signature)	8/27/13	Date/Time: 5
Received by: (signature) 4.5c	8/27/13	Date/Time: 1755

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
● RCP Form Required
○ MA State DW Form Required PWSID # _____
8/27/13 1830 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

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CHAIN OF CUSTODY RECORD

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Address: 100 Northwest Dr
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Project # 18 HM 301.006
Client PO#
Attention: Darby Hittle
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DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ☑ PDF ○ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	Pesticides 8081	PCB's	Hold	RCRA 8 Cu, Ni, Zn				
31	1287372	8/27/13	1545		✓	S		✓		✓								
32	1287373	8/27/13	1550		✓	S		✓		✓								
33	1287352	8/27/13	0930		✓	S		✓										

# of Containers
** Preservation
***Container Cod

Dissolved Metal
○ 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 bisulfa
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

Comments:

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:
[signature] 8/27/13	3
Received by: (signature) [signature] 8/27/13	3
Relinquished by: (signature) [signature] 8/27/13	5
Received by: (signature) [signature] 4.5° 8/27/13	1755

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☑ RCP Form Required
○ MA State DW Form Required PWSID #

8/27/13 18:30 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Loureiro RECEIVED BY: JMH DATE: 8/27/13

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

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 _____ Temperature °C by Temp gun 4.5°C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

8) Do all samples have the proper Acid pH: Yes No (N/A) _____

9) Do all samples have the proper Base pH: Yes No (N/A) _____

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	47
500 mL Amber		4 oz amber/clear jar	13
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	63	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 21
Bisulfate _____ # DI Water 42
Thiosulfate _____ Unpreserved

Time and Date Frozen: 8/27/13 1830

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/30/13
Data File Name	A0830038.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	474433	458270	4
c - 10	1.56	492951	458270	8
c - 12	2.30	474375	458270	4
c - 14	2.98	466201	458270	2
c - 16	3.58	455910	458270	-1
c - 18	4.19	465426	458270	2
o-Terphenyl	4.47	640661	458270	
c - 20	4.81	463046	458270	1
c - 22	5.32	460320	458270	0
c - 24	5.76	456613	458270	0
c - 26	6.16	453457	458270	-1
c - 28	6.52	447956	458270	-2
c - 30	6.86	448867	458270	-2
c - 32	7.17	436760	458270	-5
c - 34	7.47	437904	458270	-4
c - 36	7.79	439831	458270	-4

* One compound allowed %D </= 50%

Samples

13H1034-20
13H1034-09
13H1034-23
13H1034-32
13H1034-07
13H1012-02
13H1034-31
13H1034-15
13H1034-05
13H1034-06
13H1034-01@10X

CT ETPH DISCRIMINATION CHECK

Date Acquired	8/30/13
Data File Name	A0830039.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.24	482789	502956	-4
c - 10	1.59	510130	502956	1
c - 12	2.31	506424	502956	1
c - 14	2.98	513799	502956	2
c - 16	3.57	509569	502956	1
c - 18	4.17	518560	502956	3
o-Terphenyl	4.45	696257	502956	
c - 20	4.79	512481	502956	2
c - 22	5.29	509827	502956	1
c - 24	5.73	507033	502956	1
c - 26	6.13	504484	502956	0
c - 28	6.49	499016	502956	-1
c - 30	6.82	500400	502956	-1
c - 32	7.13	490022	502956	-3
c - 34	7.42	490035	502956	-3
c - 36	7.72	489772	502956	-3

* One compound allowed %D </= 50%

Samples

13H1099-01@50X
13H1012-01@5X
13H1034-02@20X
13H1034-04@20X
13H1012-03@5X
13H1034-11@5X
13H1034-12@20X
13H1034-16@10X
13H1034-17@10X
13H1034-19@5X
13H1034-22@10X
13H1034-08@10X

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/3/13
Data File Name	A0903008.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	484223	449866	8
c - 10	1.56	502059	449866	12
c - 12	2.30	498039	449866	11
c - 14	2.97	502668	449866	12
c - 16	3.58	491385	449866	9
c - 18	4.19	485892	449866	8
o-Terphenyl	4.47	648258	449866	
c - 20	4.81	464147	449866	3
c - 22	5.32	445503	449866	-1
c - 24	5.76	434741	449866	-3
c - 26	6.16	434825	449866	-3
c - 28	6.52	433039	449866	-4
c - 30	6.86	426008	449866	-5
c - 32	7.17	405684	449866	-10
c - 34	7.47	387019	449866	-14
c - 36	7.78	352753	449866	-22

* One compound allowed %D </= 50%

Samples

13H1034-14@5X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: 240 Oral School Road, Mystic CT

Project Number: 13H1034

Laboratory Sample ID(s):

13H1034-01 thru 13H1034-33

Sample Date(s):

08/27/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 09/04/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 5, 2013

Dan Hagen
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: 240 Oral School Road, Mystic, CT
Client Job Number:
Project Number: 18HH301.006
Laboratory Work Order Number: 13H1103

Enclosed are results of analyses for samples received by the laboratory on August 28, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/5/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HH301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1103

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287374	13H1103-01	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287375	13H1103-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287400	13H1103-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287401	13H1103-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287403	13H1103-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287404	13H1103-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287330	13H1103-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287331	13H1103-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287334	13H1103-15	Soil		SW-846 8260C	

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Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/5/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HH301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1103

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287335	13H1103-16	Soil		CTDEP ETPH	
				SM 2540G	
1287336	13H1103-17	Soil		CTDEP ETPH	
				SM 2540G	
1287338	13H1103-19	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287339	13H1103-20	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287341	13H1103-22	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
				SW-846 8270D	
1287342	13H1103-23	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
				SW-846 8270D	
1287343	13H1103-24	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
				SW-846 8270D	
1287377	13H1103-25	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287378	13H1103-26	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287379	13H1103-27	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287380	13H1103-28	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	

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Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/5/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HH301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1103

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287381	13H1103-29	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287386	13H1103-30	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287387	13H1103-31	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287388	13H1103-32	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287389	13H1103-33	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287390	13H1103-34	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287391	13H1103-35	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287392	13H1103-36	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287393	13H1103-37	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287382	13H1103-38	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	

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Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/5/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HH301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1103

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287383	13H1103-39	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287384	13H1103-40	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287394	13H1103-41	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287395	13H1103-42	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287396	13H1103-43	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287406	13H1103-44	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	
1287397	13H1103-45	Soil		SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8081B	

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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, only RCRA 8 metals, Cu, Ni and Zn were requested and reported.

SW-846 8081B

Qualifications:

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

4,4'-DDT

13H1103-43[1287396], 13H1103-44[1287406]

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

4,4'-DDE [2C], 4,4'-DDT [2C]

13H1103-32[1287388], 13H1103-27[1287379], 13H1103-28[1287380], 13H1103-31[1287387], 13H1103-33[1287389], 13H1103-34[1287390], 13H1103-35[1287391]

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

13H1103-25[1287377], 13H1103-26[1287378], 13H1103-45[1287397]

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:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

13H1103-25[1287377], 13H1103-26[1287378], 13H1103-45[1287397], B079791-MS1, B079791-MSD1, B079860-MS1, B079860-MSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

4,4'-DDD, 4,4'-DDD [2C], 4,4'-DDE [2C], Alachlor, alpha-BHC, delta-BHC, Endrin, Endrin [2C], gamma-BHC (Lindane), Methoxychlor [2C]

B079791-BS1, B079791-BSD1, B079860-BS1, B079860-BSD1, B079791-MS1, B079791-MSD1, B079860-MS1, B079860-MSD1

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:

4,4'-DDD, 4,4'-DDD [2C]

13H1103-26[1287378], 13H1103-27[1287379], 13H1103-28[1287380], 13H1103-29[1287381], 13H1103-30[1287386], 13H1103-31[1287387], 13H1103-32[1287388], 13H1103-33[1287389], 13H1103-34[1287390], 13H1103-35[1287391]

Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

4,4'-DDE [2C], 4,4'-DDT [2C], Chlordane [2C]

13H1103-30[1287386], 13H1103-32[1287388], 13H1103-34[1287390], 13H1103-27[1287379], 13H1103-28[1287380], 13H1103-31[1287387], 13H1103-33[1287389], 13H1103-35[1287391], 13H1103-26[1287378]

The MS/MSD recovery for this sample is not available due to sample dilution below the reporting limit required from high chlordane concentration.

Analyte & Samples(s) Qualified:

13H1103-45[1287397], B079791-MS1, B079791-MSD1, B079860-MS1, B079860-MSD1

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%.

Analyte & Samples(s) Qualified:

4,4'-DDE [2C], 4,4'-DDT [2C], Chlordane [2C]

13H1103-30[1287386], 13H1103-33[1287389], 13H1103-28[1287380]

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample 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.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)

B079827-BS1

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12), Methylene Chloride

13H1103-07[1287403], 13H1103-08[1287404], 13H1103-11[1287330], 13H1103-12[1287331], 13H1103-15[1287334], 13H1103-22[1287341], 13H1103-23[1287342], 13H1103-24[1287343], B079827-BLK1, B079827-BS1, B079923-BLK1, B079923-BS1, B079923-MS1

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Naphthalene, Vinyl Chloride

13H1103-12[1287331], B079923-MS1

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, Chloromethane, Dichlorodifluoromethane (Freon 12), Methylene Chloride

13H1103-12[1287331], B079923-MS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Methylene Chloride

13H1103-07[1287403], 13H1103-08[1287404], 13H1103-11[1287330], 13H1103-12[1287331], 13H1103-15[1287334], 13H1103-22[1287341], 13H1103-23[1287342], 13H1103-24[1287343], B079827-BLK1, B079827-BS1, B079923-BLK1, B079923-BS1, B079923-MS1

SW-846 8270D

Qualifications:

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:

4-Chloroaniline

13H1103-01[1287374], 13H1103-02[1287375], 13H1103-04[1287400], 13H1103-05[1287401], 13H1103-07[1287403], 13H1103-08[1287404], 13H1103-11[1287330], 13H1103-12[1287331], 13H1103-19[1287338], 13H1103-20[1287339], 13H1103-22[1287341], 13H1103-23[1287342], 13H1103-24[1287343], B079790-BLK1, B079790-BS1, B079790-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13H1103-01[1287374], 13H1103-02[1287375], 13H1103-04[1287400], 13H1103-05[1287401], 13H1103-07[1287403], 13H1103-08[1287404], 13H1103-11[1287330], 13H1103-12[1287331], 13H1103-19[1287338], 13H1103-20[1287339], 13H1103-22[1287341], 13H1103-23[1287342], 13H1103-24[1287343], B079790-BLK1, B079790-BS1, B079790-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, 4,6-Dinitro-2-methylphenol

B079790-BLK1, B079790-BS1, B079790-BSD1, 13H1103-07[1287403], 13H1103-08[1287404], 13H1103-24[1287343]

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:

2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4-Nitrophenol

13H1103-07[1287403], 13H1103-08[1287404], 13H1103-24[1287343], 13H1103-12[1287331]

SW-846 8270D

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287374 Sampled: 8/28/2013 11:00

Sample ID: 13H1103-01

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 8270D	8/29/13	9/4/13 10:56	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Chloroaniline	ND	0.78	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Di-n-octylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287374 Sampled: 8/28/2013 11:00

Sample ID: 13H1103-01

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	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 10:56	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	76.1	30-130		9/4/13 10:56
Phenol-d6	76.4	30-130		9/4/13 10:56
Nitrobenzene-d5	76.4	30-130		9/4/13 10:56
2-Fluorobiphenyl	83.6	30-130		9/4/13 10:56
2,4,6-Tribromophenol	110	30-130		9/4/13 10:56
p-Terphenyl-d14	84.7	30-130		9/4/13 10:56

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287374 Sampled: 8/28/2013 11:00

Sample ID: 13H1103-01

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	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:15	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	79.2	30-150		8/30/13 17:15
Decachlorobiphenyl [2]	84.6	30-150		8/30/13 17:15
Tetrachloro-m-xylene [1]	87.4	30-150		8/30/13 17:15
Tetrachloro-m-xylene [2]	86.0	30-150		8/30/13 17:15

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287374 Sampled: 8/28/2013 11:00

Sample ID: 13H1103-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	14	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 15:32	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	66.4	50-150		9/3/13 15:32

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287374 Sampled: 8/28/2013 11:00

Sample ID: 13H1103-01

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	85.1		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287375 Sampled: 8/28/2013 11:05

Sample ID: 13H1103-02

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 8270D	8/29/13	9/4/13 11:58	CMR
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Chloroaniline	ND	0.81	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Chloro-3-methylphenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Di-n-octylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287375 Sampled: 8/28/2013 11:05

Sample ID: 13H1103-02

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 8270D	8/29/13	9/4/13 11:58	CMR
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 11:58	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	59.8	30-130		9/4/13 11:58
Phenol-d6	55.6	30-130		9/4/13 11:58
Nitrobenzene-d5	61.2	30-130		9/4/13 11:58
2-Fluorobiphenyl	68.3	30-130		9/4/13 11:58
2,4,6-Tribromophenol	124	30-130		9/4/13 11:58
p-Terphenyl-d14	95.5	30-130		9/4/13 11:58

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287375 Sampled: 8/28/2013 11:05

Sample ID: 13H1103-02

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	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:28	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.0	30-150		8/30/13 17:28
Decachlorobiphenyl [2]	84.5	30-150		8/30/13 17:28
Tetrachloro-m-xylene [1]	85.7	30-150		8/30/13 17:28
Tetrachloro-m-xylene [2]	85.2	30-150		8/30/13 17:28

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287375 Sampled: 8/28/2013 11:05

Sample ID: 13H1103-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	13	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 16:25	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	63.9	50-150					9/3/13 16:25

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287375 Sampled: 8/28/2013 11:05

Sample ID: 13H1103-02

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	81.5		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287400 Sampled: 8/28/2013 11:20

Sample ID: 13H1103-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Chloroaniline	ND	0.75	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287400 Sampled: 8/28/2013 11:20

Sample ID: 13H1103-04

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	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 12:29	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	71.8	30-130		9/4/13 12:29
Phenol-d6	71.9	30-130		9/4/13 12:29
Nitrobenzene-d5	71.2	30-130		9/4/13 12:29
2-Fluorobiphenyl	79.4	30-130		9/4/13 12:29
2,4,6-Tribromophenol	116	30-130		9/4/13 12:29
p-Terphenyl-d14	86.8	30-130		9/4/13 12:29

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287400 Sampled: 8/28/2013 11:20

Sample ID: 13H1103-04

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	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:41	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	80.4	30-150		8/30/13 17:41
Decachlorobiphenyl [2]	83.5	30-150		8/30/13 17:41
Tetrachloro-m-xylene [1]	84.1	30-150		8/30/13 17:41
Tetrachloro-m-xylene [2]	83.3	30-150		8/30/13 17:41

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287400 Sampled: 8/28/2013 11:20

Sample ID: 13H1103-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	13	11	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 16:42	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	71.5	50-150		9/3/13 16:42

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287400 Sampled: 8/28/2013 11:20

Sample ID: 13H1103-04

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	86.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287401 Sampled: 8/28/2013 11:25

Sample ID: 13H1103-05

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 8270D	8/29/13	9/4/13 13:00	CMR
Acenaphthylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Aniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Benzo(a)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Benzo(a)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Benzo(b)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Benzo(g,h,i)perylene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Benzo(k)fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Bis(2-chloroethoxy)methane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Bis(2-chloroethyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Bis(2-chloroisopropyl)ether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Bromophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Butylbenzylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Carbazole	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Chloroaniline	ND	0.81	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Chloro-3-methylphenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2-Chloronaphthalene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2-Chlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Chlorophenylphenylether	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Chrysene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Dibenz(a,h)anthracene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Dibenzofuran	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Di-n-butylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
3,3-Dichlorobenzidine	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4-Dichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Diethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4-Dimethylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Dimethylphthalate	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4,6-Dinitro-2-methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4-Dinitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,6-Dinitrotoluene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Di-n-octylphthalate	ND	0.82	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Fluoranthene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Fluorene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2-Methylnaphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287401 Sampled: 8/28/2013 11:25

Sample ID: 13H1103-05

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 8270D	8/29/13	9/4/13 13:00	CMR
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Nitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
4-Nitrophenol	ND	0.81	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
N-Nitrosodiphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Pentachlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
Pyridine	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 13:00	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.5	30-130		9/4/13 13:00
Phenol-d6	68.2	30-130		9/4/13 13:00
Nitrobenzene-d5	74.9	30-130		9/4/13 13:00
2-Fluorobiphenyl	77.2	30-130		9/4/13 13:00
2,4,6-Tribromophenol	116	30-130		9/4/13 13:00
p-Terphenyl-d14	84.1	30-130		9/4/13 13:00

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287401 Sampled: 8/28/2013 11:25

Sample ID: 13H1103-05

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	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 17:54	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	84.6	30-150		8/30/13 17:54
Decachlorobiphenyl [2]	84.9	30-150		8/30/13 17:54
Tetrachloro-m-xylene [1]	85.0	30-150		8/30/13 17:54
Tetrachloro-m-xylene [2]	84.3	30-150		8/30/13 17:54

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287401 Sampled: 8/28/2013 11:25

Sample ID: 13H1103-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	17	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 17:00	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.5	50-150		9/3/13 17:00

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287401 Sampled: 8/28/2013 11:25

Sample ID: 13H1103-05

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	81.6		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.079	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Acrylonitrile	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Bromoform	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Bromomethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
2-Butanone (MEK)	ND	0.031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
n-Butylbenzene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Carbon Disulfide	ND	0.0047	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Carbon Tetrachloride	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Chlorodibromomethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Chloroform	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Chloromethane	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2-Dibromoethane (EDB)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1-Dichloroethylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,3-Dichloropropane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
cis-1,3-Dichloropropene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
trans-1,3-Dichloropropene	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Hexachlorobutadiene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 14:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Naphthalene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Tetrahydrofuran	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Trichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
Vinyl Chloride	ND	0.0079	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
m+p Xylene	ND	0.0031	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 14:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		8/29/13 14:39
Toluene-d8	96.4	70-130		8/29/13 14:39
4-Bromofluorobenzene	88.9	70-130		8/29/13 14:39

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Benzo(a)anthracene	0.28	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Benzo(a)pyrene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Benzo(b)fluoranthene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Benzo(g,h,i)perylene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Chrysene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Fluoranthene	0.52	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Indeno(1,2,3-cd)pyrene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

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	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Phenanthrene	0.26	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Pyrene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:48	CMR

Surrogates	% Recovery	Recovery Limits	Flag		
2-Fluorophenol	61.5	30-130			9/5/13 10:48
Phenol-d6	64.1	30-130			9/5/13 10:48
Nitrobenzene-d5	69.4	30-130			9/5/13 10:48
2-Fluorobiphenyl	69.4	30-130			9/5/13 10:48
2,4,6-Tribromophenol	58.8	30-130			9/5/13 10:48
p-Terphenyl-d14	68.9	30-130			9/5/13 10:48

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	220	56	mg/Kg dry	5		CTDEP ETPH	8/30/13	9/3/13 20:13	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	78.5	50-150		9/3/13 20:13

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Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Barium	58	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Chromium	14	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Copper	11	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Lead	34	0.80	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Mercury	0.057	0.027	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:46	SAJ
Nickel	7.0	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP
Zinc	63	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 9:55	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287403 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-07

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	89.7		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Acrylonitrile	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
n-Butylbenzene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Carbon Tetrachloride	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
trans-1,4-Dichloro-2-butene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
cis-1,3-Dichloropropene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
trans-1,3-Dichloropropene	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Hexachlorobutadiene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 16:00	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:00	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		8/29/13 16:00
Toluene-d8	97.2	70-130		8/29/13 16:00
4-Bromofluorobenzene	88.3	70-130		8/29/13 16:00

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Benzo(a)anthracene	0.29	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Benzo(a)pyrene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Benzo(b)fluoranthene	0.45	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Benzo(g,h,i)perylene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Chrysene	0.41	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Fluoranthene	0.69	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Indeno(1,2,3-cd)pyrene	0.21	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

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	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Phenanthrene	0.45	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Pyrene	0.81	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 10:18	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	63.0	30-130		9/5/13 10:18
Phenol-d6	63.1	30-130		9/5/13 10:18
Nitrobenzene-d5	67.4	30-130		9/5/13 10:18
2-Fluorobiphenyl	63.6	30-130		9/5/13 10:18
2,4,6-Tribromophenol	60.8	30-130		9/5/13 10:18
p-Terphenyl-d14	81.0	30-130		9/5/13 10:18

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	50	11	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 19:38	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	68.9	50-150				9/3/13 19:38	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Barium	61	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Chromium	11	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Copper	7.5	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Lead	19	0.79	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Mercury	0.030	0.027	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:48	SAJ
Nickel	5.0	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP
Zinc	35	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:00	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287404 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-08

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	90.8		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.060	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Acrylonitrile	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Bromomethane	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Carbon Disulfide	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Chlorodibromomethane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Chloromethane	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	L-03	SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,3-Dichloropropane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
cis-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
trans-1,3-Dichloropropene	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/29/13	8/29/13 16:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Tetrahydrofuran	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
Vinyl Chloride	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/29/13	8/29/13 16:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		8/29/13 16:28
Toluene-d8	96.0	70-130		8/29/13 16:28
4-Bromofluorobenzene	87.7	70-130		8/29/13 16:28

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Chloroaniline	ND	0.69	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Chloro-3-methylphenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4-Dinitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Di-n-octylphthalate	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

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	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
4-Nitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 14:33	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	68.2	30-130		9/4/13 14:33
Phenol-d6	68.4	30-130		9/4/13 14:33
Nitrobenzene-d5	65.0	30-130		9/4/13 14:33
2-Fluorobiphenyl	76.7	30-130		9/4/13 14:33
2,4,6-Tribromophenol	108	30-130		9/4/13 14:33
p-Terphenyl-d14	64.4	30-130		9/4/13 14:33

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 17:18	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	63.0	50-150		9/3/13 17:18

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Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Barium	22	2.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Cadmium	ND	0.25	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Chromium	5.7	0.50	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Copper	4.7	0.50	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Lead	2.4	0.75	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:49	SAJ
Nickel	2.5	0.50	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Selenium	ND	5.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Silver	ND	0.50	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP
Zinc	11	1.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:05	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287330 Sampled: 8/28/2013 13:10

Sample ID: 13H1103-11

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	95.7		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.066	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1	L-03, MS-08	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Chlorodibromomethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1	L-03, MS-08	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	L-03, MS-08	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
cis-1,3-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
trans-1,3-Dichloropropene	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1	L-03, MS-08, V-05	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1	MS-07	SW-846 8260C	8/30/13	8/30/13 8:01	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:01	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	102	70-130		8/30/13	8:01
Toluene-d8	97.9	70-130		8/30/13	8:01
4-Bromofluorobenzene	86.9	70-130		8/30/13	8:01

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

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 8270D	8/29/13	9/4/13 15:44	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Chloroaniline	ND	0.69	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Chloro-3-methylphenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4-Dinitrophenol	ND	0.69	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Di-n-octylphthalate	ND	0.70	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

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	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
4-Nitrophenol	ND	0.69	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/4/13 15:44	CMR
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 15:44	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	67.0	30-130		9/4/13 15:44
Phenol-d6	65.1	30-130		9/4/13 15:44
Nitrobenzene-d5	65.8	30-130		9/4/13 15:44
2-Fluorobiphenyl	74.1	30-130		9/4/13 15:44
2,4,6-Tribromophenol	107	30-130		9/4/13 15:44
p-Terphenyl-d14	82.8	30-130		9/4/13 15:44

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	10	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 17:35	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	67.6	50-150				9/3/13 17:35	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.4	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Barium	19	2.4	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Cadmium	ND	0.24	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Chromium	5.5	0.49	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Copper	5.6	0.49	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Lead	2.3	0.73	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Mercury	ND	0.026	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:55	SAJ
Nickel	2.8	0.49	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Selenium	ND	4.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Silver	ND	0.49	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP
Zinc	9.8	0.97	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:10	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287331 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-12

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	96.2		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287334 Sampled: 8/28/2013 09:30

Sample ID: 13H1103-15

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 wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Bromomethane	ND	0.010	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 10:42	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
n-Butylbenzene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Chloromethane	ND	0.010	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 10:42	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Hexachlorobutadiene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287334 Sampled: 8/28/2013 09:30

Sample ID: 13H1103-15

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 10:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 10:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		8/30/13 10:42
Toluene-d8	98.0	70-130		8/30/13 10:42
4-Bromofluorobenzene	86.4	70-130		8/30/13 10:42

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287335 Sampled: 8/28/2013 14:05

Sample ID: 13H1103-16

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	22	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 17:53	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	65.8	50-150					9/3/13 17:53

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287335 Sampled: 8/28/2013 14:05

Sample ID: 13H1103-16

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	82.2		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287336 Sampled: 8/28/2013 14:10

Sample ID: 13H1103-17

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	14	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 18:11	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	53.6	50-150				9/3/13 18:11	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287336 Sampled: 8/28/2013 14:10

Sample ID: 13H1103-17

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
% Solids	84.8		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287338 Sampled: 8/28/2013 14:35

Sample ID: 13H1103-19

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 8270D	8/29/13	9/4/13 16:17	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Chloroaniline	ND	0.71	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Chloro-3-methylphenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287338 Sampled: 8/28/2013 14:35

Sample ID: 13H1103-19

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	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:17	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.5	30-130		9/4/13 16:17
Phenol-d6	72.6	30-130		9/4/13 16:17
Nitrobenzene-d5	69.9	30-130		9/4/13 16:17
2-Fluorobiphenyl	81.0	30-130		9/4/13 16:17
2,4,6-Tribromophenol	104	30-130		9/4/13 16:17
p-Terphenyl-d14	91.8	30-130		9/4/13 16:17

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287338 Sampled: 8/28/2013 14:35

Sample ID: 13H1103-19

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	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:07	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.6	30-150		8/30/13 18:07
Decachlorobiphenyl [2]	81.5	30-150		8/30/13 18:07
Tetrachloro-m-xylene [1]	80.7	30-150		8/30/13 18:07
Tetrachloro-m-xylene [2]	79.4	30-150		8/30/13 18:07

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287338 Sampled: 8/28/2013 14:35

Sample ID: 13H1103-19

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	11	11	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 18:28	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	67.4	50-150		9/3/13 18:28

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287338 Sampled: 8/28/2013 14:35

Sample ID: 13H1103-19

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
% Solids	93.2		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287339 Sampled: 8/28/2013 14:40

Sample ID: 13H1103-20

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Chloroaniline	ND	0.71	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Chloro-3-methylphenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Di-n-octylphthalate	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287339 Sampled: 8/28/2013 14:40

Sample ID: 13H1103-20

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	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 16:49	CMR

Surrogates	% Recovery	Recovery Limits	Flag		
2-Fluorophenol	68.8	30-130			9/4/13 16:49
Phenol-d6	69.5	30-130			9/4/13 16:49
Nitrobenzene-d5	67.4	30-130			9/4/13 16:49
2-Fluorobiphenyl	75.6	30-130			9/4/13 16:49
2,4,6-Tribromophenol	102	30-130			9/4/13 16:49
p-Terphenyl-d14	84.7	30-130			9/4/13 16:49

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287339 Sampled: 8/28/2013 14:40

Sample ID: 13H1103-20

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	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	8/29/13	8/30/13 18:19	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.0	30-150		8/30/13 18:19
Decachlorobiphenyl [2]	86.3	30-150		8/30/13 18:19
Tetrachloro-m-xylene [1]	83.7	30-150		8/30/13 18:19
Tetrachloro-m-xylene [2]	82.6	30-150		8/30/13 18:19

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287339 Sampled: 8/28/2013 14:40

Sample ID: 13H1103-20

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 18:46	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	69.2	50-150					9/3/13 18:46

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287339 Sampled: 8/28/2013 14:40

Sample ID: 13H1103-20

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
% Solids	93.2		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.060	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Acrylonitrile	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Bromomethane	ND	0.0060	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:28	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Carbon Disulfide	ND	0.0036	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Chlorodibromomethane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Chloromethane	ND	0.0060	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:28	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,3-Dichloropropane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
cis-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
trans-1,3-Dichloropropene	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 8:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.00060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Tetrahydrofuran	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
Vinyl Chloride	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	103	70-130		8/30/13	8:28
Toluene-d8	97.4	70-130		8/30/13	8:28
4-Bromofluorobenzene	88.3	70-130		8/30/13	8:28

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Aniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Bis(2-chloroethoxy)methane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Bis(2-chloroethyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Bis(2-chloroisopropyl)ether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Bromophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Butylbenzylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Chloroaniline	ND	0.79	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Chloro-3-methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2-Chloronaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2-Chlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Chlorophenylphenylether	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Dibenzofuran	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Di-n-butylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4-Dichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Diethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4-Dimethylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Dimethylphthalate	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4,6-Dinitro-2-methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4-Dinitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,6-Dinitrotoluene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Di-n-octylphthalate	ND	0.80	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Hexachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Hexachlorobutadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Hexachlorocyclopentadiene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Hexachloroethane	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Isophorone	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

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	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
3/4-Methylphenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
3-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Nitroaniline	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Nitrobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2-Nitrophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
4-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
N-Nitrosodiphenylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
N-Nitrosodi-n-propylamine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Pentachloronitrobenzene	ND	0.41	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Pentachlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Phenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
Pyridine	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
1,2,4-Trichlorobenzene	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4,5-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR
2,4,6-Trichlorophenol	ND	0.41	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 17:22	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	70.0	30-130		9/4/13 17:22
Phenol-d6	70.4	30-130		9/4/13 17:22
Nitrobenzene-d5	69.7	30-130		9/4/13 17:22
2-Fluorobiphenyl	70.5	30-130		9/4/13 17:22
2,4,6-Tribromophenol	97.9	30-130		9/4/13 17:22
p-Terphenyl-d14	91.9	30-130		9/4/13 17:22

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 19:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	68.1	50-150				9/3/13 19:03	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287341 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-22

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
% Solids	83.4		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.066	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Bromomethane	ND	0.0066	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:55	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Chlorodibromomethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Chloromethane	ND	0.0066	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:55	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,3-Dichloropropane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
cis-1,3-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
trans-1,3-Dichloropropene	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 8:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.00066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Tetrahydrofuran	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
Vinyl Chloride	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 8:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag		
1,2-Dichloroethane-d4	100	70-130		8/30/13	8:55
Toluene-d8	96.6	70-130		8/30/13	8:55
4-Bromofluorobenzene	87.8	70-130		8/30/13	8:55

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Aniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Bis(2-chloroethoxy)methane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Bis(2-chloroethyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Bis(2-chloroisopropyl)ether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Bromophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Butylbenzylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Carbazole	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Chloroaniline	ND	0.78	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Chloro-3-methylphenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2-Chloronaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2-Chlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Chlorophenylphenylether	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Dibenzofuran	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Di-n-butylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4-Dichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Diethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4-Dimethylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Dimethylphthalate	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4,6-Dinitro-2-methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4-Dinitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,6-Dinitrotoluene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Di-n-octylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Fluoranthene	0.24	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Hexachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Hexachlorobutadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Hexachlorocyclopentadiene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Hexachloroethane	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Isophorone	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

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	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
3/4-Methylphenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
3-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Nitroaniline	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Nitrobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2-Nitrophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
4-Nitrophenol	ND	0.78	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
N-Nitrosodiphenylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
N-Nitrosodi-n-propylamine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Pentachloronitrobenzene	ND	0.40	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Pentachlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Phenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
Pyridine	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
1,2,4-Trichlorobenzene	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4,5-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR
2,4,6-Trichlorophenol	ND	0.40	mg/Kg dry	1		SW-846 8270D	8/29/13	9/4/13 18:26	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	64.9	30-130		9/4/13 18:26
Phenol-d6	64.5	30-130		9/4/13 18:26
Nitrobenzene-d5	54.4	30-130		9/4/13 18:26
2-Fluorobiphenyl	73.4	30-130		9/4/13 18:26
2,4,6-Tribromophenol	71.0	30-130		9/4/13 18:26
p-Terphenyl-d14	56.2	30-130		9/4/13 18:26

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	44	12	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 19:56	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	72.2	50-150				9/3/13 19:56	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287342 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-23

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
% Solids	84.2		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

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	L-03	SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Acrylonitrile	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Bromoform	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Bromomethane	ND	0.0065	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 9:22	MFF
2-Butanone (MEK)	ND	0.026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Carbon Disulfide	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Carbon Tetrachloride	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Chlorodibromomethane	ND	0.00065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Chloroform	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Chloromethane	ND	0.0065	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 9:22	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,3-Dichloropropane	ND	0.00065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
cis-1,3-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
trans-1,3-Dichloropropene	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 9:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Naphthalene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.00065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Tetrahydrofuran	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
Vinyl Chloride	ND	0.0065	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
m+p Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 9:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	101	70-130		8/30/13 9:22
Toluene-d8	97.5	70-130		8/30/13 9:22
4-Bromofluorobenzene	86.8	70-130		8/30/13 9:22

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1	R-05	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

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	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/29/13	9/5/13 11:19	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	66.8	30-130		9/5/13 11:19
Phenol-d6	65.5	30-130		9/5/13 11:19
Nitrobenzene-d5	69.3	30-130		9/5/13 11:19
2-Fluorobiphenyl	64.6	30-130		9/5/13 11:19
2,4,6-Tribromophenol	57.9	30-130		9/5/13 11:19
p-Terphenyl-d14	80.2	30-130		9/5/13 11:19

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	8/30/13	9/3/13 19:21	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	70.7	50-150				9/3/13 19:21	

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287343 Sampled: 8/28/2013 15:25

Sample ID: 13H1103-24

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
% Solids	91.3		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287377 Sampled: 8/28/2013 11:45

Sample ID: 13H1103-25

Sample Matrix: Soil

Sample Flags: RL-11

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	9.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Aldrin [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
alpha-BHC [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
beta-BHC [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
delta-BHC [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
gamma-BHC (Lindane) [2]	ND	0.93	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Chlordane [2]	66	9.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
4,4'-DDD [2]	ND	1.9	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
4,4'-DDE [2]	ND	1.9	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
4,4'-DDT [2]	ND	1.9	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Dieldrin [2]	ND	1.9	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endosulfan I [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endosulfan II [2]	ND	3.7	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endosulfan sulfate [2]	ND	3.7	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endrin [2]	ND	3.7	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endrin aldehyde [2]	ND	3.7	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Endrin ketone [2]	ND	3.7	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Heptachlor [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Heptachlor epoxide [2]	ND	2.3	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Hexachlorobenzene [2]	ND	2.8	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Methoxychlor [2]	ND	23	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG
Toxaphene [2]	ND	46	mg/Kg dry	400		SW-846 8081B	8/29/13	9/3/13 13:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/3/13 13:57
Decachlorobiphenyl [2]	*	30-150	S-01	9/3/13 13:57
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/3/13 13:57
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/3/13 13:57

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287377 Sampled: 8/28/2013 11:45

Sample ID: 13H1103-25

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.2	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Barium	61	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Cadmium	0.53	0.27	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Chromium	22	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Copper	15	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Lead	54	0.80	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Mercury	0.19	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:57	SAJ
Nickel	9.9	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP
Zinc	68	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:15	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287377 Sampled: 8/28/2013 11:45

Sample ID: 13H1103-25

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
% Solids	86.1		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287378 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-26

Sample Matrix: Soil

Sample Flags: RL-11

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	1.0	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Aldrin [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
alpha-BHC [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
beta-BHC [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
delta-BHC [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
gamma-BHC (Lindane) [2]	ND	0.10	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Chlordane [2]	11	1.0	mg/Kg dry	50	V-24	SW-846 8081B	8/29/13	9/3/13 17:33	PJG
4,4'-DDD [2]	ND	0.21	mg/Kg dry	50	V-20	SW-846 8081B	8/29/13	9/3/13 17:33	PJG
4,4'-DDE [2]	ND	0.21	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
4,4'-DDT [2]	ND	0.21	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Dieldrin [2]	ND	0.21	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endosulfan I [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endosulfan II [2]	ND	0.42	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endosulfan sulfate [2]	ND	0.42	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endrin [2]	ND	0.42	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endrin aldehyde [2]	ND	0.42	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Endrin ketone [2]	ND	0.42	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Heptachlor [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Heptachlor epoxide [2]	ND	0.26	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Hexachlorobenzene [2]	ND	0.31	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Methoxychlor [2]	ND	2.6	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG
Toxaphene [2]	ND	5.2	mg/Kg dry	50		SW-846 8081B	8/29/13	9/3/13 17:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/3/13 17:33
Decachlorobiphenyl [2]	*	30-150	S-01	9/3/13 17:33
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/3/13 17:33
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/3/13 17:33

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287378 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-26

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.7	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Barium	45	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Chromium	28	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Copper	10	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Lead	31	0.79	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Mercury	0.071	0.027	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:58	SAJ
Nickel	6.3	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Selenium	ND	5.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP
Zinc	61	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:20	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287378 Sampled: 8/28/2013 11:55

Sample ID: 13H1103-26

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
% Solids	94.0		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287379 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-27

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Aldrin [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
alpha-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
beta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
delta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
gamma-BHC (Lindane) [2]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Chlordane [2]	0.073	0.023	mg/Kg dry	1	V-24	SW-846 8081B	8/29/13	9/3/13 17:52	PJG
4,4'-DDD [2]	ND	0.0047	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 17:52	PJG
4,4'-DDE [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
4,4'-DDT [2]	0.048	0.0047	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Dieldrin [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endosulfan I [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endosulfan II [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endosulfan sulfate [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endrin [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endrin aldehyde [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Endrin ketone [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Heptachlor [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Heptachlor epoxide [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Hexachlorobenzene [2]	ND	0.0070	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Methoxychlor [2]	ND	0.059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 17:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		9/3/13 17:52
Decachlorobiphenyl [2]	107	30-150		9/3/13 17:52
Tetrachloro-m-xylene [1]	96.8	30-150		9/3/13 17:52
Tetrachloro-m-xylene [2]	93.2	30-150		9/3/13 17:52

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287379 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-27

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Barium	36	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Chromium	14	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Copper	17	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Lead	230	0.87	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Mercury	ND	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:00	SAJ
Nickel	7.8	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP
Zinc	270	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:38	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287379 Sampled: 8/28/2013 12:00

Sample ID: 13H1103-27

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
% Solids	84.5		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287380 Sampled: 8/28/2013 12:05

Sample ID: 13H1103-28

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Aldrin [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
alpha-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
beta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
delta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
gamma-BHC (Lindane) [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Chlordane [2]	0.053	0.026	mg/Kg dry	1	V-24, Z-02	SW-846 8081B	8/29/13	9/3/13 18:12	PJG
4,4'-DDD [2]	ND	0.0052	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 18:12	PJG
4,4'-DDE [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
4,4'-DDT [2]	0.022	0.0052	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Dieldrin [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endosulfan I [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endosulfan II [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endosulfan sulfate [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endrin [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endrin aldehyde [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Endrin ketone [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Heptachlor [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Heptachlor epoxide [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Hexachlorobenzene [2]	ND	0.0079	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Methoxychlor [2]	ND	0.066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:12	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.9	30-150		9/3/13 18:12
Decachlorobiphenyl [2]	144	30-150		9/3/13 18:12
Tetrachloro-m-xylene [1]	80.9	30-150		9/3/13 18:12
Tetrachloro-m-xylene [2]	81.4	30-150		9/3/13 18:12

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287380 Sampled: 8/28/2013 12:05

Sample ID: 13H1103-28

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.1	3.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Barium	170	3.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Cadmium	1.3	0.31	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Chromium	19	0.62	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Copper	150	0.62	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Lead	2000	0.93	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Mercury	0.27	0.033	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:01	SAJ
Nickel	11	0.62	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Selenium	ND	6.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP
Zinc	920	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:43	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287380 Sampled: 8/28/2013 12:05

Sample ID: 13H1103-28

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
% Solids	76.3		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287381 Sampled: 8/28/2013 12:15

Sample ID: 13H1103-29

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Aldrin [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
alpha-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
beta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
delta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
gamma-BHC (Lindane) [2]	ND	0.0024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Chlordane [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
4,4'-DDD [2]	ND	0.0047	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 18:32	PJG
4,4'-DDE [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
4,4'-DDT [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Dieldrin [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endosulfan I [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endosulfan II [2]	ND	0.0095	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endosulfan sulfate [2]	ND	0.0095	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endrin [2]	ND	0.0095	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endrin aldehyde [2]	ND	0.0095	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Endrin ketone [2]	ND	0.0095	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Heptachlor [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Heptachlor epoxide [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Hexachlorobenzene [2]	ND	0.0071	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Methoxychlor [2]	ND	0.059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.5	30-150		9/3/13 18:32
Decachlorobiphenyl [2]	115	30-150		9/3/13 18:32
Tetrachloro-m-xylene [1]	84.0	30-150		9/3/13 18:32
Tetrachloro-m-xylene [2]	81.3	30-150		9/3/13 18:32

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287381 Sampled: 8/28/2013 12:15

Sample ID: 13H1103-29

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.3	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Barium	52	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Cadmium	0.41	0.28	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Chromium	11	0.55	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Copper	47	0.55	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Lead	330	0.83	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Mercury	0.062	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:03	SAJ
Nickel	5.9	0.55	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP
Zinc	250	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:48	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287381 Sampled: 8/28/2013 12:15

Sample ID: 13H1103-29

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
% Solids	84.6		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287386 Sampled: 8/28/2013 13:00

Sample ID: 13H1103-30

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.022	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Aldrin [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
alpha-BHC [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
beta-BHC [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
delta-BHC [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
gamma-BHC (Lindane) [2]	ND	0.0022	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Chlordane [2]	ND	0.022	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
4,4'-DDD [2]	ND	0.0044	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 18:51	PJG
4,4'-DDE [2]	0.0054	0.0044	mg/Kg dry	1	V-24, Z-02	SW-846 8081B	8/29/13	9/3/13 18:51	PJG
4,4'-DDT [2]	ND	0.0044	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Dieldrin [1]	0.021	0.0044	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endosulfan I [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endosulfan II [2]	ND	0.0087	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endosulfan sulfate [2]	ND	0.0087	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endrin [2]	ND	0.0087	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endrin aldehyde [2]	ND	0.0087	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Endrin ketone [2]	ND	0.0087	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Heptachlor [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Heptachlor epoxide [2]	ND	0.0055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Hexachlorobenzene [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Methoxychlor [2]	ND	0.055	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG
Toxaphene [2]	ND	0.11	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 18:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.8	30-150		9/3/13 18:51
Decachlorobiphenyl [2]	96.6	30-150		9/3/13 18:51
Tetrachloro-m-xylene [1]	86.0	30-150		9/3/13 18:51
Tetrachloro-m-xylene [2]	81.4	30-150		9/3/13 18:51

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287386 Sampled: 8/28/2013 13:00

Sample ID: 13H1103-30

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Barium	44	2.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Cadmium	0.62	0.25	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Chromium	16	0.51	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Copper	25	0.51	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Lead	44	0.76	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Mercury	0.089	0.027	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:05	SAJ
Nickel	7.6	0.51	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Selenium	ND	5.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Silver	ND	0.51	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP
Zinc	320	1.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:51	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287386 Sampled: 8/28/2013 13:00

Sample ID: 13H1103-30

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
% Solids	90.7		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287387 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-31

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.027	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Aldrin [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
alpha-BHC [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
beta-BHC [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
delta-BHC [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
gamma-BHC (Lindane) [2]	ND	0.0027	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Chlordane [2]	0.038	0.027	mg/Kg dry	1	V-24	SW-846 8081B	8/29/13	9/3/13 19:10	PJG
4,4'-DDD [2]	ND	0.0054	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 19:10	PJG
4,4'-DDE [2]	ND	0.0054	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
4,4'-DDT [2]	0.011	0.0054	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Dieldrin [2]	ND	0.0054	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endosulfan I [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endosulfan II [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endosulfan sulfate [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endrin [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endrin aldehyde [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Endrin ketone [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Heptachlor [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Heptachlor epoxide [2]	ND	0.0067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Hexachlorobenzene [2]	ND	0.0080	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Methoxychlor [2]	ND	0.067	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		9/3/13 19:10
Decachlorobiphenyl [2]	133	30-150		9/3/13 19:10
Tetrachloro-m-xylene [1]	94.0	30-150		9/3/13 19:10
Tetrachloro-m-xylene [2]	91.0	30-150		9/3/13 19:10

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287387 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-31

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.1	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Barium	240	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Cadmium	2.5	0.32	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Chromium	25	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Copper	2100	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Lead	2500	0.97	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Mercury	0.19	0.033	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:06	SAJ
Nickel	9.8	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Silver	ND	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP
Zinc	1800	1.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 10:56	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287387 Sampled: 8/28/2013 13:15

Sample ID: 13H1103-31

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
% Solids	73.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287388 Sampled: 8/28/2013 13:20

Sample ID: 13H1103-32

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Aldrin [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
alpha-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
beta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
delta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
gamma-BHC (Lindane) [2]	ND	0.0025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Chlordane [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
4,4'-DDD [2]	ND	0.0051	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 19:30	PJG
4,4'-DDE [2]	0.0061	0.0051	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 19:30	PJG
4,4'-DDT [2]	0.0079	0.0051	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Dieldrin [2]	ND	0.0051	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endosulfan I [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endosulfan II [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endosulfan sulfate [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endrin [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endrin aldehyde [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Endrin ketone [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Heptachlor [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Heptachlor epoxide [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Hexachlorobenzene [2]	ND	0.0076	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Methoxychlor [2]	ND	0.063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:30	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		9/3/13 19:30
Decachlorobiphenyl [2]	120	30-150		9/3/13 19:30
Tetrachloro-m-xylene [1]	91.6	30-150		9/3/13 19:30
Tetrachloro-m-xylene [2]	87.4	30-150		9/3/13 19:30

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287388 Sampled: 8/28/2013 13:20

Sample ID: 13H1103-32

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	8.3	3.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Barium	260	3.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Cadmium	4.3	0.31	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Chromium	34	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Copper	3300	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Lead	10000	0.94	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Mercury	0.16	0.031	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:08	SAJ
Nickel	6.8	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP
Zinc	1400	1.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:44	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287388 Sampled: 8/28/2013 13:20

Sample ID: 13H1103-32

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
% Solids	78.3		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287389 Sampled: 8/28/2013 13:25

Sample ID: 13H1103-33

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Aldrin [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
alpha-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
beta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
delta-BHC [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
gamma-BHC (Lindane) [2]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Chlordane [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
4,4'-DDD [2]	ND	0.0047	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 19:49	PJG
4,4'-DDE [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
4,4'-DDT [2]	0.0050	0.0047	mg/Kg dry	1	P-04, V-24, Z-02	SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Dieldrin [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endosulfan I [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endosulfan II [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endosulfan sulfate [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endrin [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endrin aldehyde [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Endrin ketone [2]	ND	0.0094	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Heptachlor [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Heptachlor epoxide [2]	ND	0.0059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Hexachlorobenzene [2]	ND	0.0070	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Methoxychlor [2]	ND	0.059	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 19:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		9/3/13 19:49
Decachlorobiphenyl [2]	121	30-150		9/3/13 19:49
Tetrachloro-m-xylene [1]	91.7	30-150		9/3/13 19:49
Tetrachloro-m-xylene [2]	87.9	30-150		9/3/13 19:49

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287389 Sampled: 8/28/2013 13:25

Sample ID: 13H1103-33

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.8	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Barium	61	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Cadmium	0.57	0.29	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Chromium	15	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Copper	120	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Lead	300	0.87	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Mercury	0.047	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:10	SAJ
Nickel	7.1	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Silver	ND	0.58	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP
Zinc	210	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:49	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287389 Sampled: 8/28/2013 13:25

Sample ID: 13H1103-33

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
% Solids	84.5		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287390 Sampled: 8/28/2013 13:35

Sample ID: 13H1103-34

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Aldrin [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
alpha-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
beta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
delta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
gamma-BHC (Lindane) [2]	ND	0.0025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Chlordane [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
4,4'-DDD [2]	ND	0.0050	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 20:09	PJG
4,4'-DDE [2]	0.055	0.0050	mg/Kg dry	1	V-24	SW-846 8081B	8/29/13	9/3/13 20:09	PJG
4,4'-DDT [2]	0.10	0.0050	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Dieldrin [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endosulfan I [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endosulfan II [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endosulfan sulfate [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endrin [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endrin aldehyde [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Endrin ketone [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Heptachlor [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Heptachlor epoxide [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Hexachlorobenzene [2]	ND	0.0076	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Methoxychlor [2]	ND	0.063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	98.6	30-150		9/3/13 20:09
Decachlorobiphenyl [2]	109	30-150		9/3/13 20:09
Tetrachloro-m-xylene [1]	85.9	30-150		9/3/13 20:09
Tetrachloro-m-xylene [2]	83.5	30-150		9/3/13 20:09

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287390 Sampled: 8/28/2013 13:35

Sample ID: 13H1103-34

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.4	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Barium	74	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Cadmium	1.6	0.32	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Chromium	13	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Copper	79	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Lead	410	0.95	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Mercury	0.057	0.031	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 12:15	SAJ
Nickel	6.9	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP
Zinc	580	1.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:54	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287390 Sampled: 8/28/2013 13:35

Sample ID: 13H1103-34

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
% Solids	78.5		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287391 Sampled: 8/28/2013 13:40

Sample ID: 13H1103-35

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Aldrin [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
alpha-BHC [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
beta-BHC [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
delta-BHC [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
gamma-BHC (Lindane) [2]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Chlordane [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
4,4'-DDD [2]	ND	0.0045	mg/Kg dry	1	V-20	SW-846 8081B	8/29/13	9/3/13 20:28	PJG
4,4'-DDE [2]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
4,4'-DDT [2]	0.0074	0.0045	mg/Kg dry	1	P-04, V-24	SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Dieldrin [2]	ND	0.0045	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endosulfan I [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endosulfan II [2]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endosulfan sulfate [2]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endrin [2]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endrin aldehyde [2]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Endrin ketone [2]	ND	0.0091	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Heptachlor [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Heptachlor epoxide [2]	ND	0.0057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Hexachlorobenzene [2]	ND	0.0068	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Methoxychlor [2]	ND	0.057	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG
Toxaphene [2]	ND	0.11	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 20:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.7	30-150		9/3/13 20:28
Decachlorobiphenyl [2]	94.3	30-150		9/3/13 20:28
Tetrachloro-m-xylene [1]	85.7	30-150		9/3/13 20:28
Tetrachloro-m-xylene [2]	81.3	30-150		9/3/13 20:28

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287391 Sampled: 8/28/2013 13:40

Sample ID: 13H1103-35

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.2	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Barium	33	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Cadmium	0.51	0.28	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Chromium	12	0.56	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Copper	100	0.56	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Lead	530	0.84	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Mercury	0.27	0.028	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:04	SAJ
Nickel	6.4	0.56	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP
Zinc	57	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 14:58	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287391 Sampled: 8/28/2013 13:40

Sample ID: 13H1103-35

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
% Solids	87.4		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287392 Sampled: 8/28/2013 15:00

Sample ID: 13H1103-36

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Aldrin [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
alpha-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
beta-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
delta-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
gamma-BHC (Lindane) [2]	ND	0.0024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Chlordane [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
4,4'-DDD [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
4,4'-DDE [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
4,4'-DDT [1]	0.0091	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Dieldrin [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endosulfan I [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endosulfan II [2]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endosulfan sulfate [2]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endrin [2]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endrin aldehyde [2]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Endrin ketone [2]	ND	0.0097	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Heptachlor [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Heptachlor epoxide [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Hexachlorobenzene [2]	ND	0.0073	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Methoxychlor [2]	ND	0.060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.2	30-150		9/3/13 11:00
Decachlorobiphenyl [2]	108	30-150		9/3/13 11:00
Tetrachloro-m-xylene [1]	77.8	30-150		9/3/13 11:00
Tetrachloro-m-xylene [2]	80.4	30-150		9/3/13 11:00

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287392 Sampled: 8/28/2013 15:00

Sample ID: 13H1103-36

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.8	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Barium	53	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Cadmium	1.7	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Chromium	15	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Copper	350	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Lead	1800	0.91	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Mercury	0.12	0.030	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:05	SAJ
Nickel	9.4	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP
Zinc	1000	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:04	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287392 Sampled: 8/28/2013 15:00

Sample ID: 13H1103-36

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
% Solids	81.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287393 Sampled: 8/28/2013 15:05

Sample ID: 13H1103-37

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Aldrin [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
alpha-BHC [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
beta-BHC [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
delta-BHC [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
gamma-BHC (Lindane) [2]	ND	0.0023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Chlordane [2]	ND	0.023	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
4,4'-DDD [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
4,4'-DDE [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
4,4'-DDT [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Dieldrin [2]	ND	0.0047	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endosulfan I [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endosulfan II [2]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endosulfan sulfate [2]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endrin [2]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endrin aldehyde [2]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Endrin ketone [2]	ND	0.0093	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Heptachlor [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Heptachlor epoxide [2]	ND	0.0058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Hexachlorobenzene [2]	ND	0.0070	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Methoxychlor [2]	ND	0.058	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.0	30-150		9/3/13 11:20
Decachlorobiphenyl [2]	93.6	30-150		9/3/13 11:20
Tetrachloro-m-xylene [1]	80.6	30-150		9/3/13 11:20
Tetrachloro-m-xylene [2]	79.1	30-150		9/3/13 11:20

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287393 Sampled: 8/28/2013 15:05

Sample ID: 13H1103-37

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	5.0	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Barium	41	2.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Cadmium	1.1	0.29	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Chromium	14	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Copper	300	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Lead	1200	0.86	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Mercury	0.052	0.029	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:07	SAJ
Nickel	7.5	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP
Zinc	400	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:09	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287393 Sampled: 8/28/2013 15:05

Sample ID: 13H1103-37

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
% Solids	84.3		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287382 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-38

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Aldrin [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
alpha-BHC [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
beta-BHC [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
delta-BHC [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
gamma-BHC (Lindane) [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Chlordane [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
4,4'-DDD [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
4,4'-DDE [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
4,4'-DDT [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Dieldrin [2]	ND	0.0052	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endosulfan I [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endosulfan II [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endosulfan sulfate [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endrin [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endrin aldehyde [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Endrin ketone [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Heptachlor [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Heptachlor epoxide [2]	ND	0.0065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Hexachlorobenzene [2]	ND	0.0078	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Methoxychlor [2]	ND	0.065	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:39	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.5	30-150		9/3/13 11:39
Decachlorobiphenyl [2]	89.4	30-150		9/3/13 11:39
Tetrachloro-m-xylene [1]	78.5	30-150		9/3/13 11:39
Tetrachloro-m-xylene [2]	76.5	30-150		9/3/13 11:39

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287382 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-38

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.1	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Barium	55	3.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Cadmium	1.6	0.32	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Chromium	18	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Copper	330	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Lead	530	0.95	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Mercury	0.11	0.033	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:08	SAJ
Nickel	9.8	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Selenium	ND	6.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Silver	ND	0.63	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP
Zinc	570	1.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:15	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287382 Sampled: 8/28/2013 15:10

Sample ID: 13H1103-38

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
% Solids	76.4		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287383 Sampled: 8/28/2013 15:15

Sample ID: 13H1103-39

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Aldrin [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
alpha-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
beta-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
delta-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
gamma-BHC (Lindane) [2]	ND	0.0025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Chlordane [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
4,4'-DDD [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
4,4'-DDE [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
4,4'-DDT [1]	0.0080	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Dieldrin [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endosulfan I [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endosulfan II [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endosulfan sulfate [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endrin [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endrin aldehyde [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Endrin ketone [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Heptachlor [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Heptachlor epoxide [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Hexachlorobenzene [2]	ND	0.0074	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Methoxychlor [2]	ND	0.061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 11:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.2	30-150		9/3/13 11:59
Decachlorobiphenyl [2]	94.0	30-150		9/3/13 11:59
Tetrachloro-m-xylene [1]	70.4	30-150		9/3/13 11:59
Tetrachloro-m-xylene [2]	68.8	30-150		9/3/13 11:59

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287383 Sampled: 8/28/2013 15:15

Sample ID: 13H1103-39

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Barium	75	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Cadmium	1.5	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Chromium	19	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Copper	200	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Lead	840	0.91	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Mercury	0.085	0.031	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:14	SAJ
Nickel	10	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Selenium	ND	6.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Silver	ND	0.61	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP
Zinc	550	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:19	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287383 Sampled: 8/28/2013 15:15

Sample ID: 13H1103-39

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	79.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287384 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-40

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Aldrin [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
alpha-BHC [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
beta-BHC [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
delta-BHC [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
gamma-BHC (Lindane) [2]	ND	0.0025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Chlordane [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
4,4'-DDD [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
4,4'-DDE [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
4,4'-DDT [2]	0.0073	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Dieldrin [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endosulfan I [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endosulfan II [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endosulfan sulfate [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endrin [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endrin aldehyde [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Endrin ketone [2]	ND	0.0099	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Heptachlor [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Heptachlor epoxide [2]	ND	0.0062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Hexachlorobenzene [2]	ND	0.0074	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Methoxychlor [2]	ND	0.062	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.7	30-150		9/3/13 12:18
Decachlorobiphenyl [2]	96.3	30-150		9/3/13 12:18
Tetrachloro-m-xylene [1]	84.7	30-150		9/3/13 12:18
Tetrachloro-m-xylene [2]	81.6	30-150		9/3/13 12:18

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287384 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-40

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.5	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Barium	64	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Cadmium	1.2	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Chromium	16	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Copper	320	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Lead	480	0.89	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Mercury	0.20	0.030	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:16	SAJ
Nickel	8.2	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP
Zinc	850	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:39	OP

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287384 Sampled: 8/28/2013 15:20

Sample ID: 13H1103-40

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	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287394 Sampled: 8/28/2013 15:40

Sample ID: 13H1103-41

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Aldrin [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
alpha-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
beta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
delta-BHC [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
gamma-BHC (Lindane) [2]	ND	0.0025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Chlordane [2]	ND	0.025	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
4,4'-DDD [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
4,4'-DDE [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
4,4'-DDT [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Dieldrin [2]	ND	0.0050	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endosulfan I [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endosulfan II [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endosulfan sulfate [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endrin [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endrin aldehyde [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Endrin ketone [2]	ND	0.010	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Heptachlor [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Heptachlor epoxide [2]	ND	0.0063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Hexachlorobenzene [2]	ND	0.0075	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Methoxychlor [2]	ND	0.063	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.8	30-150		9/3/13 12:38
Decachlorobiphenyl [2]	92.9	30-150		9/3/13 12:38
Tetrachloro-m-xylene [1]	84.8	30-150		9/3/13 12:38
Tetrachloro-m-xylene [2]	82.1	30-150		9/3/13 12:38

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287394 Sampled: 8/28/2013 15:40

Sample ID: 13H1103-41

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Barium	28	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Cadmium	0.42	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Chromium	14	0.60	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Copper	21	0.60	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Lead	1100	0.90	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Mercury	0.16	0.031	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:17	SAJ
Nickel	8.6	0.60	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Selenium	ND	6.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Silver	ND	0.60	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP
Zinc	61	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:45	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287394 Sampled: 8/28/2013 15:40

Sample ID: 13H1103-41

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	78.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287395 Sampled: 8/28/2013 15:45

Sample ID: 13H1103-42

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Aldrin [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
alpha-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
beta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
delta-BHC [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
gamma-BHC (Lindane) [2]	ND	0.0026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Chlordane [2]	ND	0.026	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
4,4'-DDD [2]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
4,4'-DDE [2]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
4,4'-DDT [2]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Dieldrin [2]	ND	0.0053	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endosulfan I [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endosulfan II [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endosulfan sulfate [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endrin [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endrin aldehyde [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Endrin ketone [2]	ND	0.011	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Heptachlor [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Heptachlor epoxide [2]	ND	0.0066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Hexachlorobenzene [2]	ND	0.0079	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Methoxychlor [2]	ND	0.066	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG
Toxaphene [2]	ND	0.13	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 12:58	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.3	30-150		9/3/13 12:58
Decachlorobiphenyl [2]	88.4	30-150		9/3/13 12:58
Tetrachloro-m-xylene [1]	84.6	30-150		9/3/13 12:58
Tetrachloro-m-xylene [2]	81.0	30-150		9/3/13 12:58

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287395 Sampled: 8/28/2013 15:45

Sample ID: 13H1103-42

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	3.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Barium	42	3.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Cadmium	0.50	0.33	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Chromium	15	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Copper	18	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Lead	660	0.98	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Mercury	0.11	0.032	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:19	SAJ
Nickel	8.5	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Selenium	ND	6.5	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Silver	ND	0.65	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP
Zinc	69	1.3	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:50	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287395 Sampled: 8/28/2013 15:45

Sample ID: 13H1103-42

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	75.9		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287396 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-43

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Aldrin [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
alpha-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
beta-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
delta-BHC [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
gamma-BHC (Lindane) [2]	ND	0.0024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Chlordane [2]	0.028	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
4,4'-DDD [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
4,4'-DDE [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
4,4'-DDT [1]	0.0083	0.0048	mg/Kg dry	1	P-01	SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Dieldrin [2]	ND	0.0048	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endosulfan I [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endosulfan II [2]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endosulfan sulfate [2]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endrin [2]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endrin aldehyde [2]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Endrin ketone [2]	ND	0.0096	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Heptachlor [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Heptachlor epoxide [2]	ND	0.0060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Hexachlorobenzene [2]	ND	0.0072	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Methoxychlor [2]	ND	0.060	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.1	30-150		9/3/13 13:17
Decachlorobiphenyl [2]	116	30-150		9/3/13 13:17
Tetrachloro-m-xylene [1]	75.4	30-150		9/3/13 13:17
Tetrachloro-m-xylene [2]	74.8	30-150		9/3/13 13:17

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287396 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-43

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	3.6	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Barium	66	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Cadmium	0.73	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Chromium	16	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Copper	140	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Lead	1100	0.89	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Mercury	0.070	0.030	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:21	SAJ
Nickel	7.9	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP
Zinc	460	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 15:56	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287396 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-43

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	81.7		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287406 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-44

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [2]	ND	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Aldrin [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
alpha-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
beta-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
delta-BHC [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
gamma-BHC (Lindane) [2]	ND	0.0024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Chlordane [2]	0.037	0.024	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
4,4'-DDD [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
4,4'-DDE [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
4,4'-DDT [1]	0.0087	0.0049	mg/Kg dry	1	P-01	SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Dieldrin [2]	ND	0.0049	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endosulfan I [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endosulfan II [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endosulfan sulfate [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endrin [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endrin aldehyde [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Endrin ketone [2]	ND	0.0098	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Heptachlor [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Heptachlor epoxide [2]	ND	0.0061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Hexachlorobenzene [2]	ND	0.0073	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Methoxychlor [2]	ND	0.061	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG
Toxaphene [2]	ND	0.12	mg/Kg dry	1		SW-846 8081B	8/29/13	9/3/13 13:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.5	30-150		9/3/13 13:37
Decachlorobiphenyl [2]	121	30-150		9/3/13 13:37
Tetrachloro-m-xylene [1]	83.1	30-150		9/3/13 13:37
Tetrachloro-m-xylene [2]	80.9	30-150		9/3/13 13:37

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

Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287406 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-44

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.1	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Barium	71	3.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Cadmium	0.79	0.30	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Chromium	16	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Copper	180	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Lead	1700	0.89	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Mercury	0.099	0.030	mg/Kg dry	1		SW-846 7471B	8/30/13	9/3/13 11:22	SAJ
Nickel	8.1	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Selenium	ND	5.9	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP
Zinc	500	1.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:00	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287406 Sampled: 8/28/2013 16:00

Sample ID: 13H1103-44

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	81.8		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287397 Sampled: 8/28/2013 17:00

Sample ID: 13H1103-45

Sample Matrix: Soil

Sample Flags: RL-11, Z-01

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Alachlor [1]	ND	42	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Aldrin [1]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
alpha-BHC [2]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
beta-BHC [1]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
delta-BHC [2]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
gamma-BHC (Lindane) [1]	ND	4.2	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Chlordane [2]	350	42	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
4,4'-DDD [1]	ND	8.5	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
4,4'-DDE [1]	ND	8.5	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
4,4'-DDT [1]	ND	8.5	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Dieldrin [1]	ND	8.5	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endosulfan I [1]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endosulfan II [1]	ND	17	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endosulfan sulfate [1]	ND	17	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endrin [1]	ND	17	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endrin aldehyde [1]	ND	17	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Endrin ketone [1]	ND	17	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Heptachlor [1]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Heptachlor epoxide [1]	ND	11	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Hexachlorobenzene [1]	ND	13	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Methoxychlor [1]	ND	110	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG
Toxaphene [1]	ND	210	mg/Kg dry	2000		SW-846 8081B	8/29/13	8/31/13 13:44	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	8/31/13 13:44
Decachlorobiphenyl [2]	*	30-150	S-01	8/31/13 13:44
Tetrachloro-m-xylene [1]	*	30-150	S-01	8/31/13 13:44
Tetrachloro-m-xylene [2]	*	30-150	S-01	8/31/13 13:44

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287397 Sampled: 8/28/2013 17:00

Sample ID: 13H1103-45

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	4.5	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Barium	60	2.6	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Cadmium	1.2	0.26	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Chromium	75	0.52	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Copper	21	0.52	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Lead	31	0.77	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Mercury	0.42	0.051	mg/Kg dry	2		SW-846 7471B	8/30/13	9/3/13 12:24	SAJ
Nickel	10	0.52	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP
Zinc	53	1.0	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 16:05	OP

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Project Location: 240 Oral School Road, Mystic, CT Sample Description: Work Order: 13H1103

Date Received: 8/28/2013

Field Sample #: 1287397 Sampled: 8/28/2013 17:00

Sample ID: 13H1103-45

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	94.3		% Wt	1		SM 2540G	9/4/13	9/5/13 10:58	WAL

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-01 [1287374]	B079931	30.0	1.00	08/30/13
13H1103-02 [1287375]	B079931	30.1	1.00	08/30/13
13H1103-04 [1287400]	B079931	30.1	1.00	08/30/13
13H1103-05 [1287401]	B079931	30.5	1.00	08/30/13
13H1103-07 [1287403]	B079931	30.1	1.00	08/30/13
13H1103-08 [1287404]	B079931	30.3	1.00	08/30/13
13H1103-11 [1287330]	B079931	30.3	1.00	08/30/13
13H1103-12 [1287331]	B079931	30.1	1.00	08/30/13
13H1103-16 [1287335]	B079931	30.2	1.00	08/30/13
13H1103-17 [1287336]	B079931	30.3	1.00	08/30/13
13H1103-19 [1287338]	B079931	30.4	1.00	08/30/13
13H1103-20 [1287339]	B079931	30.6	1.00	08/30/13
13H1103-22 [1287341]	B079931	30.1	1.00	08/30/13
13H1103-23 [1287342]	B079931	30.2	1.00	08/30/13
13H1103-24 [1287343]	B079931	30.4	1.00	08/30/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1103-01 [1287374]	B080088	09/04/13
13H1103-02 [1287375]	B080088	09/04/13
13H1103-04 [1287400]	B080088	09/04/13
13H1103-05 [1287401]	B080088	09/04/13
13H1103-07 [1287403]	B080088	09/04/13
13H1103-08 [1287404]	B080088	09/04/13
13H1103-11 [1287330]	B080088	09/04/13
13H1103-12 [1287331]	B080088	09/04/13
13H1103-16 [1287335]	B080088	09/04/13
13H1103-17 [1287336]	B080088	09/04/13
13H1103-19 [1287338]	B080088	09/04/13
13H1103-20 [1287339]	B080088	09/04/13
13H1103-22 [1287341]	B080088	09/04/13
13H1103-23 [1287342]	B080088	09/04/13
13H1103-24 [1287343]	B080088	09/04/13
13H1103-25 [1287377]	B080088	09/04/13
13H1103-26 [1287378]	B080088	09/04/13
13H1103-27 [1287379]	B080088	09/04/13
13H1103-28 [1287380]	B080088	09/04/13
13H1103-29 [1287381]	B080088	09/04/13
13H1103-30 [1287386]	B080088	09/04/13
13H1103-31 [1287387]	B080088	09/04/13
13H1103-32 [1287388]	B080088	09/04/13
13H1103-33 [1287389]	B080088	09/04/13
13H1103-34 [1287390]	B080088	09/04/13
13H1103-35 [1287391]	B080088	09/04/13
13H1103-36 [1287392]	B080088	09/04/13
13H1103-37 [1287393]	B080088	09/04/13
13H1103-38 [1287382]	B080088	09/04/13
13H1103-39 [1287383]	B080088	09/04/13
13H1103-40 [1287384]	B080088	09/04/13
13H1103-41 [1287394]	B080088	09/04/13
13H1103-42 [1287395]	B080088	09/04/13
13H1103-43 [1287396]	B080088	09/04/13
13H1103-44 [1287406]	B080088	09/04/13

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1103-45 [1287397]	B080088	09/04/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-32 [1287388]	B079826	1.02	50.0	08/29/13
13H1103-33 [1287389]	B079826	1.02	50.0	08/29/13
13H1103-34 [1287390]	B079826	1.01	50.0	08/29/13
13H1103-35 [1287391]	B079826	1.02	50.0	08/29/13
13H1103-36 [1287392]	B079826	1.00	50.0	08/29/13
13H1103-37 [1287393]	B079826	1.04	50.0	08/29/13
13H1103-38 [1287382]	B079826	1.03	50.0	08/29/13
13H1103-39 [1287383]	B079826	1.03	50.0	08/29/13
13H1103-40 [1287384]	B079826	1.04	50.0	08/29/13
13H1103-41 [1287394]	B079826	1.06	50.0	08/29/13
13H1103-42 [1287395]	B079826	1.01	50.0	08/29/13
13H1103-43 [1287396]	B079826	1.03	50.0	08/29/13
13H1103-44 [1287406]	B079826	1.03	50.0	08/29/13
13H1103-45 [1287397]	B079826	1.03	50.0	08/29/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-07 [1287403]	B079853	1.05	50.0	08/29/13
13H1103-08 [1287404]	B079853	1.05	50.0	08/29/13
13H1103-11 [1287330]	B079853	1.04	50.0	08/29/13
13H1103-12 [1287331]	B079853	1.07	50.0	08/29/13
13H1103-25 [1287377]	B079853	1.08	50.0	08/29/13
13H1103-26 [1287378]	B079853	1.01	50.0	08/29/13
13H1103-27 [1287379]	B079853	1.02	50.0	08/29/13
13H1103-28 [1287380]	B079853	1.06	50.0	08/29/13
13H1103-29 [1287381]	B079853	1.07	50.0	08/29/13
13H1103-30 [1287386]	B079853	1.09	50.0	08/29/13
13H1103-31 [1287387]	B079853	1.04	50.0	08/29/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-35 [1287391]	B079927	0.607	50.0	08/30/13
13H1103-36 [1287392]	B079927	0.604	50.0	08/30/13
13H1103-37 [1287393]	B079927	0.613	50.0	08/30/13
13H1103-38 [1287382]	B079927	0.600	50.0	08/30/13
13H1103-39 [1287383]	B079927	0.609	50.0	08/30/13
13H1103-40 [1287384]	B079927	0.615	50.0	08/30/13
13H1103-41 [1287394]	B079927	0.618	50.0	08/30/13
13H1103-42 [1287395]	B079927	0.619	50.0	08/30/13
13H1103-43 [1287396]	B079927	0.613	50.0	08/30/13
13H1103-44 [1287406]	B079927	0.616	50.0	08/30/13
13H1103-45 [1287397]	B079927	0.618	50.0	08/30/13

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Sample Extraction Data

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-07 [1287403]	B079955	0.614	50.0	08/30/13
13H1103-08 [1287404]	B079955	0.606	50.0	08/30/13
13H1103-11 [1287330]	B079955	0.607	50.0	08/30/13
13H1103-12 [1287331]	B079955	0.606	50.0	08/30/13
13H1103-25 [1287377]	B079955	0.604	50.0	08/30/13
13H1103-26 [1287378]	B079955	0.602	50.0	08/30/13
13H1103-27 [1287379]	B079955	0.613	50.0	08/30/13
13H1103-28 [1287380]	B079955	0.604	50.0	08/30/13
13H1103-29 [1287381]	B079955	0.614	50.0	08/30/13
13H1103-30 [1287386]	B079955	0.602	50.0	08/30/13
13H1103-31 [1287387]	B079955	0.611	50.0	08/30/13
13H1103-32 [1287388]	B079955	0.609	50.0	08/30/13
13H1103-33 [1287389]	B079955	0.603	50.0	08/30/13
13H1103-34 [1287390]	B079955	0.609	50.0	08/30/13

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-25 [1287377]	B079791	10.0	10.0	08/29/13
13H1103-26 [1287378]	B079791	10.2	10.0	08/29/13
13H1103-27 [1287379]	B079791	10.1	10.0	08/29/13
13H1103-28 [1287380]	B079791	10.0	10.0	08/29/13
13H1103-29 [1287381]	B079791	10.0	10.0	08/29/13
13H1103-30 [1287386]	B079791	10.1	10.0	08/29/13
13H1103-31 [1287387]	B079791	10.1	10.0	08/29/13
13H1103-32 [1287388]	B079791	10.1	10.0	08/29/13
13H1103-33 [1287389]	B079791	10.1	10.0	08/29/13
13H1103-34 [1287390]	B079791	10.1	10.0	08/29/13
13H1103-35 [1287391]	B079791	10.1	10.0	08/29/13
13H1103-36 [1287392]	B079791	10.1	10.0	08/29/13
13H1103-37 [1287393]	B079791	10.2	10.0	08/29/13
13H1103-38 [1287382]	B079791	10.1	10.0	08/29/13
13H1103-39 [1287383]	B079791	10.2	10.0	08/29/13
13H1103-40 [1287384]	B079791	10.0	10.0	08/29/13
13H1103-41 [1287394]	B079791	10.1	10.0	08/29/13
13H1103-42 [1287395]	B079791	10.0	10.0	08/29/13
13H1103-43 [1287396]	B079791	10.2	10.0	08/29/13
13H1103-44 [1287406]	B079791	10.0	10.0	08/29/13

Prep Method: SW-846 3546-SW-846 8081B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-45 [1287397]	B079860	10.0	10.0	08/29/13

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-01 [1287374]	B079859	10.2	10.0	08/29/13
13H1103-02 [1287375]	B079859	10.2	10.0	08/29/13
13H1103-04 [1287400]	B079859	10.1	10.0	08/29/13
13H1103-05 [1287401]	B079859	10.2	10.0	08/29/13

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-19 [1287338]	B079859	10.1	10.0	08/29/13
13H1103-20 [1287339]	B079859	10.4	10.0	08/29/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-07 [1287403]	B079827	7.08	10.0	08/29/13
13H1103-08 [1287404]	B079827	8.28	10.0	08/29/13
13H1103-11 [1287330]	B079827	8.66	10.0	08/29/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-12 [1287331]	B079923	7.93	10.0	08/30/13
13H1103-15 [1287334]	B079923	5.00	10.0	08/30/13
13H1103-22 [1287341]	B079923	10.0	10.0	08/30/13
13H1103-23 [1287342]	B079923	9.03	10.0	08/30/13
13H1103-24 [1287343]	B079923	8.45	10.0	08/30/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1103-01 [1287374]	B079790	30.0	1.00	08/29/13
13H1103-02 [1287375]	B079790	30.0	1.00	08/29/13
13H1103-04 [1287400]	B079790	30.2	1.00	08/29/13
13H1103-05 [1287401]	B079790	30.1	1.00	08/29/13
13H1103-07 [1287403]	B079790	30.2	1.00	08/29/13
13H1103-08 [1287404]	B079790	30.0	1.00	08/29/13
13H1103-11 [1287330]	B079790	30.1	1.00	08/29/13
13H1103-12 [1287331]	B079790	30.0	1.00	08/29/13
13H1103-19 [1287338]	B079790	30.0	1.00	08/29/13
13H1103-20 [1287339]	B079790	30.1	1.00	08/29/13
13H1103-22 [1287341]	B079790	30.1	1.00	08/29/13
13H1103-23 [1287342]	B079790	30.1	1.00	08/29/13
13H1103-24 [1287343]	B079790	30.1	1.00	08/29/13

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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 B079827 - SW-846 5035										
Blank (B079827-BLK1)				Prepared & Analyzed: 08/29/13						
Acetone	ND	0.10	mg/Kg wet							L-03
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	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							
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	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	0.0010	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	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0020	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							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							L-03
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	0.0040	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0040	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							L-03, V-05
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
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							

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 B079827 - SW-846 5035											
Blank (B079827-BLK1)				Prepared & Analyzed: 08/29/13							
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0504*		mg/Kg wet	0.0500		101		70-130			
Surrogate: Toluene-d8	*0.0490*		mg/Kg wet	0.0500		98.1		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0427*		mg/Kg wet	0.0500		85.3		70-130			
LCS (B079827-BS1)				Prepared & Analyzed: 08/29/13							
Acetone	0.136	0.10	mg/Kg wet	0.200		**68.1**	*	70-130			L-03
Acrylonitrile	0.0186	0.0060	mg/Kg wet	0.0200		93.1		70-130			
Benzene	0.0213	0.0020	mg/Kg wet	0.0200		106		70-130			
Bromobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6		70-130			
Bromodichloromethane	0.0225	0.0020	mg/Kg wet	0.0200		112		70-130			
Bromoform	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Bromomethane	0.0143	0.010	mg/Kg wet	0.0200		71.4		70-130			
2-Butanone (MEK)	0.151	0.040	mg/Kg wet	0.200		75.5		70-130			
n-Butylbenzene	0.0214	0.0040	mg/Kg wet	0.0200		107		70-130			
sec-Butylbenzene	0.0240	0.0020	mg/Kg wet	0.0200		120		70-130			
tert-Butylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130			
Carbon Disulfide	0.0227	0.0060	mg/Kg wet	0.0200		114		70-130			
Carbon Tetrachloride	0.0249	0.0040	mg/Kg wet	0.0200		124		70-130			
Chlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130			
Chlorodibromomethane	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130			
Chloroethane	0.0209	0.020	mg/Kg wet	0.0200		105		70-130			
Chloroform	0.0224	0.0040	mg/Kg wet	0.0200		112		70-130			
Chloromethane	0.0153	0.010	mg/Kg wet	0.0200		76.6		70-130			
2-Chlorotoluene	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130			
4-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.0040	mg/Kg wet	0.0200		97.5		70-130			
1,2-Dibromoethane (EDB)	0.0195	0.0020	mg/Kg wet	0.0200		97.3		70-130			
Dibromomethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
1,3-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130			
1,4-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
trans-1,4-Dichloro-2-butene	0.0175	0.0040	mg/Kg wet	0.0200		87.6		70-130			
Dichlorodifluoromethane (Freon 12)	0.0140	0.020	mg/Kg wet	0.0200		**69.9**	*	70-130			L-03
1,1-Dichloroethane	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,2-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1		70-130			
1,1-Dichloroethylene	0.0235	0.0040	mg/Kg wet	0.0200		118		70-130			

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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 B079827 - SW-846 5035											
LCS (B079827-BS1)				Prepared & Analyzed: 08/29/13							
cis-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
trans-1,2-Dichloroethylene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130			
1,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichloropropane	0.0200	0.0010	mg/Kg wet	0.0200		99.9		70-130			
2,2-Dichloropropane	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130			
1,1-Dichloropropene	0.0229	0.0020	mg/Kg wet	0.0200		115		70-130			
cis-1,3-Dichloropropene	0.0181	0.0040	mg/Kg wet	0.0200		90.3		70-130			
trans-1,3-Dichloropropene	0.0181	0.010	mg/Kg wet	0.0200		90.7		70-130			
Ethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
Hexachlorobutadiene	0.0215	0.0040	mg/Kg wet	0.0200		108		70-130			
2-Hexanone (MBK)	0.148	0.020	mg/Kg wet	0.200		73.8		70-130			
Isopropylbenzene (Cumene)	0.0223	0.0020	mg/Kg wet	0.0200		112		70-130			
p-Isopropyltoluene (p-Cymene)	0.0228	0.0020	mg/Kg wet	0.0200		114		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.0		70-130			
Methylene Chloride	0.00996	0.020	mg/Kg wet	0.0200		**49.8**	*	70-130			L-03, V-05
4-Methyl-2-pentanone (MIBK)	0.156	0.020	mg/Kg wet	0.200		77.8		70-130			
Naphthalene	0.0164	0.0040	mg/Kg wet	0.0200		82.1		70-130			
n-Propylbenzene	0.0237	0.0020	mg/Kg wet	0.0200		118		70-130			
Styrene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130			
1,1,1,2-Tetrachloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130			
1,1,2,2-Tetrachloroethane	0.0206	0.0010	mg/Kg wet	0.0200		103		70-130			
Tetrachloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Tetrahydrofuran	0.0158	0.010	mg/Kg wet	0.0200		79.1		70-130			
Toluene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2,3-Trichlorobenzene	0.0171	0.0020	mg/Kg wet	0.0200		85.7		70-130			
1,2,4-Trichlorobenzene	0.0173	0.0020	mg/Kg wet	0.0200		86.4		70-130			
1,1,1-Trichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130			
1,1,2-Trichloroethane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichlorofluoromethane (Freon 11)	0.0246	0.010	mg/Kg wet	0.0200		123		70-130			
1,2,3-Trichloropropane	0.0199	0.0020	mg/Kg wet	0.0200		99.5		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0270	0.010	mg/Kg wet	0.0200		**135**	*	70-130			L-01
1,2,4-Trimethylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130			
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
Vinyl Chloride	0.0174	0.010	mg/Kg wet	0.0200		86.9		70-130			
m+p Xylene	0.0445	0.0040	mg/Kg wet	0.0400		111		70-130			
o-Xylene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		mg/Kg wet	0.0500		94.8		70-130			
Surrogate: Toluene-d8	*0.0506*		mg/Kg wet	0.0500		101		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0481*		mg/Kg wet	0.0500		96.2		70-130			
Batch B079923 - SW-846 5035											
Blank (B079923-BLK1)				Prepared & Analyzed: 08/30/13							
Acetone	ND	0.10	mg/Kg wet								L-03
Acrylonitrile	ND	0.0060	mg/Kg wet								
Benzene	ND	0.0020	mg/Kg wet								
Bromobenzene	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-03
2-Butanone (MEK)	ND	0.040	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 B079923 - SW-846 5035										
Blank (B079923-BLK1)				Prepared & Analyzed: 08/30/13						
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	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	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							L-03
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0020	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							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							L-03
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	0.0040	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0040	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							L-03, V-05
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
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							

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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 B079923 - SW-846 5035											
Blank (B079923-BLK1)				Prepared & Analyzed: 08/30/13							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0497*		mg/Kg wet	0.0500		99.4		70-130			
Surrogate: Toluene-d8	*0.0485*		mg/Kg wet	0.0500		97.0		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0442*		mg/Kg wet	0.0500		88.4		70-130			
LCS (B079923-BS1)				Prepared & Analyzed: 08/30/13							
Acetone	0.138	0.10	mg/Kg wet	0.200		**69.2**	*	70-130			L-03
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.5		70-130			
Benzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
Bromobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7		70-130			
Bromodichloromethane	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
Bromoform	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Bromomethane	0.0135	0.010	mg/Kg wet	0.0200		**67.5**	*	70-130			L-03
2-Butanone (MEK)	0.155	0.040	mg/Kg wet	0.200		77.3		70-130			
n-Butylbenzene	0.0229	0.0040	mg/Kg wet	0.0200		114		70-130			
sec-Butylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130			
tert-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
Carbon Disulfide	0.0212	0.0060	mg/Kg wet	0.0200		106		70-130			
Carbon Tetrachloride	0.0247	0.0040	mg/Kg wet	0.0200		123		70-130			
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
Chlorodibromomethane	0.0205	0.0010	mg/Kg wet	0.0200		103		70-130			
Chloroethane	0.0193	0.020	mg/Kg wet	0.0200		96.5		70-130			
Chloroform	0.0222	0.0040	mg/Kg wet	0.0200		111		70-130			
Chloromethane	0.0136	0.010	mg/Kg wet	0.0200		**67.8**	*	70-130			L-03
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
4-Chlorotoluene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0040	mg/Kg wet	0.0200		100		70-130			
1,2-Dibromoethane (EDB)	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
Dibromomethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,4-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
trans-1,4-Dichloro-2-butene	0.0176	0.0040	mg/Kg wet	0.0200		87.9		70-130			
Dichlorodifluoromethane (Freon 12)	0.0118	0.020	mg/Kg wet	0.0200		**58.8**	*	70-130			L-03
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.9		70-130			
1,1-Dichloroethylene	0.0220	0.0040	mg/Kg wet	0.0200		110		70-130			
cis-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
trans-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichloropropane	0.0198	0.0010	mg/Kg wet	0.0200		99.1		70-130			
2,2-Dichloropropane	0.0200	0.0020	mg/Kg wet	0.0200		99.9		70-130			
1,1-Dichloropropene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130			
cis-1,3-Dichloropropene	0.0176	0.0040	mg/Kg wet	0.0200		88.2		70-130			
trans-1,3-Dichloropropene	0.0181	0.010	mg/Kg wet	0.0200		90.4		70-130			

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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 B079923 - SW-846 5035											
LCS (B079923-BS1)				Prepared & Analyzed: 08/30/13							
Ethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
Hexachlorobutadiene	0.0214	0.0040	mg/Kg wet	0.0200		107		70-130			
2-Hexanone (MBK)	0.149	0.020	mg/Kg wet	0.200		74.5		70-130			
Isopropylbenzene (Cumene)	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
p-Isopropyltoluene (p-Cymene)	0.0235	0.0020	mg/Kg wet	0.0200		118		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0190	0.0040	mg/Kg wet	0.0200		95.2		70-130			
Methylene Chloride	0.00892	0.020	mg/Kg wet	0.0200		**44.6**	*	70-130			L-03, V-05
4-Methyl-2-pentanone (MIBK)	0.157	0.020	mg/Kg wet	0.200		78.7		70-130			
Naphthalene	0.0168	0.0040	mg/Kg wet	0.0200		83.8		70-130			
n-Propylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
Styrene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
1,1,1,2-Tetrachloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,1,2,2-Tetrachloroethane	0.0205	0.0010	mg/Kg wet	0.0200		102		70-130			
Tetrachloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130			
Tetrahydrofuran	0.0155	0.010	mg/Kg wet	0.0200		77.6		70-130			
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,2,3-Trichlorobenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8		70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.7		70-130			
1,1,1-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130			
1,1,2-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
Trichlorofluoromethane (Freon 11)	0.0234	0.010	mg/Kg wet	0.0200		117		70-130			
1,2,3-Trichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.1		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0246	0.010	mg/Kg wet	0.0200		123		70-130			
1,2,4-Trimethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
1,3,5-Trimethylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
Vinyl Chloride	0.0159	0.010	mg/Kg wet	0.0200		79.7		70-130			
m+p Xylene	0.0428	0.0040	mg/Kg wet	0.0400		107		70-130			
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0461*		mg/Kg wet	0.0500		92.2		70-130			
Surrogate: Toluene-d8	*0.0497*		mg/Kg wet	0.0500		99.4		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0475*		mg/Kg wet	0.0500		94.9		70-130			
Matrix Spike (B079923-MS1)	**Source: 13H1103-12**			Prepared & Analyzed: 08/30/13							
Acetone	0.0923	0.064	mg/Kg dry	0.127	ND	72.6		70-130			L-03
Acrylonitrile	0.00945	0.0038	mg/Kg dry	0.0127	ND	74.4		70-130			
Benzene	0.0119	0.0013	mg/Kg dry	0.0127	ND	93.8		70-130			
Bromobenzene	0.0104	0.0013	mg/Kg dry	0.0127	ND	82.1		70-130			
Bromodichloromethane	0.0121	0.0013	mg/Kg dry	0.0127	ND	95.6		70-130			
Bromoform	0.0113	0.0013	mg/Kg dry	0.0127	ND	89.2		70-130			
Bromomethane	0.00826	0.0064	mg/Kg dry	0.0127	ND	**65.0**	*	70-130			L-03, MS-08
2-Butanone (MEK)	0.0942	0.025	mg/Kg dry	0.127	ND	74.2		70-130			
n-Butylbenzene	0.0110	0.0025	mg/Kg dry	0.0127	ND	86.6		70-130			
sec-Butylbenzene	0.0117	0.0013	mg/Kg dry	0.0127	ND	92.1		70-130			
tert-Butylbenzene	0.0108	0.0013	mg/Kg dry	0.0127	ND	85.1		70-130			
Carbon Disulfide	0.0117	0.0038	mg/Kg dry	0.0127	ND	91.7		70-130			
Carbon Tetrachloride	0.0129	0.0025	mg/Kg dry	0.0127	ND	101		70-130			
Chlorobenzene	0.0112	0.0013	mg/Kg dry	0.0127	ND	88.5		70-130			
Chlorodibromomethane	0.0113	0.00064	mg/Kg dry	0.0127	ND	89.1		70-130			
Chloroethane	0.0109	0.013	mg/Kg dry	0.0127	ND	85.9		70-130			
Chloroform	0.0126	0.0025	mg/Kg dry	0.0127	ND	99.2		70-130			
Chloromethane	0.00756	0.0064	mg/Kg dry	0.0127	ND	**59.5**	*	70-130			L-03, MS-08

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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 B079923 - SW-846 5035											
Matrix Spike (B079923-MS1)		**Source: 13H1103-12**		Prepared & Analyzed: 08/30/13							
2-Chlorotoluene	0.0112	0.0013	mg/Kg dry	0.0127	ND	87.8		70-130			
4-Chlorotoluene	0.0113	0.0013	mg/Kg dry	0.0127	ND	88.8		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0103	0.0025	mg/Kg dry	0.0127	ND	80.8		70-130			
1,2-Dibromoethane (EDB)	0.0107	0.00064	mg/Kg dry	0.0127	ND	84.5		70-130			
Dibromomethane	0.0119	0.0013	mg/Kg dry	0.0127	ND	93.5		70-130			
1,2-Dichlorobenzene	0.0103	0.0013	mg/Kg dry	0.0127	ND	80.8		70-130			
1,3-Dichlorobenzene	0.0105	0.0013	mg/Kg dry	0.0127	ND	82.9		70-130			
1,4-Dichlorobenzene	0.0107	0.0013	mg/Kg dry	0.0127	ND	84.4		70-130			
trans-1,4-Dichloro-2-butene	0.0102	0.0025	mg/Kg dry	0.0127	ND	80.5		70-130			
Dichlorodifluoromethane (Freon 12)	0.00605	0.013	mg/Kg dry	0.0127	ND	**47.6**	*	70-130			L-03, MS-08
1,1-Dichloroethane	0.0118	0.0013	mg/Kg dry	0.0127	ND	92.9		70-130			
1,2-Dichloroethane	0.0113	0.0013	mg/Kg dry	0.0127	ND	88.9		70-130			
1,1-Dichloroethylene	0.0124	0.0025	mg/Kg dry	0.0127	ND	97.7		70-130			
cis-1,2-Dichloroethylene	0.0118	0.0013	mg/Kg dry	0.0127	ND	92.9		70-130			
trans-1,2-Dichloroethylene	0.0117	0.0013	mg/Kg dry	0.0127	ND	91.8		70-130			
1,2-Dichloropropane	0.0119	0.0013	mg/Kg dry	0.0127	ND	93.3		70-130			
1,3-Dichloropropane	0.0113	0.00064	mg/Kg dry	0.0127	ND	88.7		70-130			
2,2-Dichloropropane	0.0105	0.0013	mg/Kg dry	0.0127	ND	82.3		70-130			
1,1-Dichloropropene	0.0126	0.0013	mg/Kg dry	0.0127	ND	99.4		70-130			
cis-1,3-Dichloropropene	0.00952	0.0025	mg/Kg dry	0.0127	ND	74.9		70-130			
trans-1,3-Dichloropropene	0.00947	0.0064	mg/Kg dry	0.0127	ND	74.5		70-130			
Ethylbenzene	0.0118	0.0013	mg/Kg dry	0.0127	ND	92.6		70-130			
Hexachlorobutadiene	0.00935	0.0025	mg/Kg dry	0.0127	ND	73.6		70-130			
2-Hexanone (MBK)	0.0836	0.013	mg/Kg dry	0.127	ND	**65.8**	*	70-130			MS-07
Isopropylbenzene (Cumene)	0.0112	0.0013	mg/Kg dry	0.0127	ND	88.2		70-130			
p-Isopropyltoluene (p-Cymene)	0.0117	0.0013	mg/Kg dry	0.0127	ND	92.2		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0106	0.0025	mg/Kg dry	0.0127	ND	83.7		70-130			
Methylene Chloride	0.00626	0.013	mg/Kg dry	0.0127	ND	**49.3**	*	70-130			L-03, MS-08, V-05
4-Methyl-2-pentanone (MIBK)	0.0885	0.013	mg/Kg dry	0.127	ND	**69.6**	*	70-130			MS-07
Naphthalene	0.00816	0.0025	mg/Kg dry	0.0127	ND	**64.2**	*	70-130			MS-07
n-Propylbenzene	0.0120	0.0013	mg/Kg dry	0.0127	ND	94.4		70-130			
Styrene	0.0118	0.0013	mg/Kg dry	0.0127	ND	92.6		70-130			
1,1,1,2-Tetrachloroethane	0.0115	0.0013	mg/Kg dry	0.0127	ND	90.7		70-130			
1,1,2,2-Tetrachloroethane	0.0116	0.00064	mg/Kg dry	0.0127	ND	91.6		70-130			
Tetrachloroethylene	0.0109	0.0013	mg/Kg dry	0.0127	ND	85.7		70-130			
Tetrahydrofuran	0.00931	0.0064	mg/Kg dry	0.0127	ND	73.3		70-130			
Toluene	0.0113	0.0013	mg/Kg dry	0.0127	ND	88.7		70-130			
1,2,3-Trichlorobenzene	0.00860	0.0013	mg/Kg dry	0.0127	ND	**67.7**	*	70-130			MS-07
1,2,4-Trichlorobenzene	0.00879	0.0013	mg/Kg dry	0.0127	ND	**69.2**	*	70-130			MS-07
1,1,1-Trichloroethane	0.0114	0.0013	mg/Kg dry	0.0127	ND	89.7		70-130			
1,1,2-Trichloroethane	0.0114	0.0013	mg/Kg dry	0.0127	ND	89.6		70-130			
Trichloroethylene	0.0112	0.0013	mg/Kg dry	0.0127	ND	87.9		70-130			
Trichlorofluoromethane (Freon 11)	0.0134	0.0064	mg/Kg dry	0.0127	ND	105		70-130			
1,2,3-Trichloropropane	0.0109	0.0013	mg/Kg dry	0.0127	ND	86.0		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0142	0.0064	mg/Kg dry	0.0127	ND	112		70-130			
1,2,4-Trimethylbenzene	0.0113	0.0013	mg/Kg dry	0.0127	ND	88.8		70-130			
1,3,5-Trimethylbenzene	0.0110	0.0013	mg/Kg dry	0.0127	ND	86.9		70-130			
Vinyl Chloride	0.00884	0.0064	mg/Kg dry	0.0127	ND	**69.6**	*	70-130			MS-07
m+p Xylene	0.0237	0.0025	mg/Kg dry	0.0254	ND	93.4		70-130			
o-Xylene	0.0112	0.0013	mg/Kg dry	0.0127	ND	88.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0310*		mg/Kg dry	0.0318		97.6		70-130			

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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 B079923 - SW-846 5035										
Matrix Spike (B079923-MS1)		**Source: 13H1103-12**		Prepared & Analyzed: 08/30/13						
Surrogate: Toluene-d8	*0.0317*		mg/Kg dry	0.0318		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0312*		mg/Kg dry	0.0318		98.1	70-130			

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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 B079790 - SW-846 3546										
Blank (B079790-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							R-05
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079790 - SW-846 3546											
Blank (B079790-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*5.64*		mg/Kg wet	6.67		84.6	30-130				
Surrogate: Phenol-d6	*5.49*		mg/Kg wet	6.67		82.4	30-130				
Surrogate: Nitrobenzene-d5	*2.81*		mg/Kg wet	3.33		84.4	30-130				
Surrogate: 2-Fluorobiphenyl	*2.75*		mg/Kg wet	3.33		82.4	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.93*		mg/Kg wet	6.67		89.0	30-130				
Surrogate: p-Terphenyl-d14	*2.84*		mg/Kg wet	3.33		85.3	30-130				
LCS (B079790-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13							
Acenaphthene	1.52	0.17	mg/Kg wet	1.67		91.1	40-140				
Acenaphthylene	1.50	0.17	mg/Kg wet	1.67		90.3	40-140				
Aniline	1.29	0.34	mg/Kg wet	1.67		77.2	40-140				†
Anthracene	1.61	0.17	mg/Kg wet	1.67		96.5	40-140				
Benzo(a)anthracene	1.64	0.17	mg/Kg wet	1.67		98.7	40-140				
Benzo(a)pyrene	1.66	0.17	mg/Kg wet	1.67		99.6	40-140				
Benzo(b)fluoranthene	1.64	0.17	mg/Kg wet	1.67		98.4	40-140				
Benzo(g,h,i)perylene	1.65	0.17	mg/Kg wet	1.67		99.2	40-140				
Benzo(k)fluoranthene	1.66	0.17	mg/Kg wet	1.67		99.8	40-140				
Bis(2-chloroethoxy)methane	1.48	0.34	mg/Kg wet	1.67		88.9	40-140				
Bis(2-chloroethyl)ether	1.53	0.34	mg/Kg wet	1.67		91.6	40-140				
Bis(2-chloroisopropyl)ether	1.41	0.34	mg/Kg wet	1.67		84.6	40-140				
Bis(2-Ethylhexyl)phthalate	1.61	0.34	mg/Kg wet	1.67		96.4	40-140				
4-Bromophenylphenylether	1.64	0.34	mg/Kg wet	1.67		98.7	40-140				
Butylbenzylphthalate	1.54	0.34	mg/Kg wet	1.67		92.7	40-140				
Carbazole	1.63	0.17	mg/Kg wet	1.67		98.0	40-140				
4-Chloroaniline	1.34	0.66	mg/Kg wet	1.67		80.4	40-140			R-05	†
4-Chloro-3-methylphenol	1.44	0.66	mg/Kg wet	1.67		86.5	30-130				
2-Chloronaphthalene	1.37	0.34	mg/Kg wet	1.67		82.1	40-140				
2-Chlorophenol	1.44	0.34	mg/Kg wet	1.67		86.3	30-130				
4-Chlorophenylphenylether	1.56	0.34	mg/Kg wet	1.67		93.4	40-140				
Chrysene	1.70	0.17	mg/Kg wet	1.67		102	40-140				
Dibenz(a,h)anthracene	1.74	0.17	mg/Kg wet	1.67		104	40-140				
Dibenzofuran	1.45	0.34	mg/Kg wet	1.67		86.7	40-140				
Di-n-butylphthalate	1.71	0.34	mg/Kg wet	1.67		103	40-140				
3,3-Dichlorobenzidine	1.63	0.17	mg/Kg wet	1.67		97.6	40-140				†
2,4-Dichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.1	30-130				
Diethylphthalate	1.55	0.34	mg/Kg wet	1.67		93.2	40-140				
2,4-Dimethylphenol	1.40	0.34	mg/Kg wet	1.67		84.0	30-130				
Dimethylphthalate	1.55	0.34	mg/Kg wet	1.67		93.1	40-140				
4,6-Dinitro-2-methylphenol	1.60	0.34	mg/Kg wet	1.67		95.9	30-130				

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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 B079790 - SW-846 3546										
LCS (B079790-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
2,4-Dinitrophenol	1.19	0.66	mg/Kg wet	1.67		71.3	30-130			V-19
2,4-Dinitrotoluene	1.54	0.34	mg/Kg wet	1.67		92.4	40-140			
2,6-Dinitrotoluene	1.60	0.34	mg/Kg wet	1.67		96.1	40-140			
Di-n-octylphthalate	1.63	0.67	mg/Kg wet	1.67		97.6	40-140			
Fluoranthene	1.64	0.17	mg/Kg wet	1.67		98.7	40-140			
Fluorene	1.51	0.17	mg/Kg wet	1.67		90.3	40-140			
Hexachlorobenzene	1.69	0.34	mg/Kg wet	1.67		101	40-140			
Hexachlorobutadiene	1.53	0.34	mg/Kg wet	1.67		92.0	40-140			
Hexachlorocyclopentadiene	1.33	0.34	mg/Kg wet	1.67		79.7	30-140			
Hexachloroethane	1.39	0.34	mg/Kg wet	1.67		83.4	40-140			
Indeno(1,2,3-cd)pyrene	1.76	0.17	mg/Kg wet	1.67		106	40-140			
Isophorone	1.43	0.34	mg/Kg wet	1.67		86.0	40-140			
2-Methylnaphthalene	1.41	0.17	mg/Kg wet	1.67		84.4	40-140			
2-Methylphenol	1.50	0.34	mg/Kg wet	1.67		89.7	30-130			
3/4-Methylphenol	1.99	0.34	mg/Kg wet	1.67		119	30-130			
Naphthalene	1.43	0.17	mg/Kg wet	1.67		85.5	40-140			
2-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.3	40-140			
3-Nitroaniline	1.50	0.34	mg/Kg wet	1.67		89.9	40-140			†
4-Nitroaniline	1.28	0.34	mg/Kg wet	1.67		76.8	40-140			
Nitrobenzene	1.35	0.34	mg/Kg wet	1.67		80.9	40-140			
2-Nitrophenol	1.55	0.34	mg/Kg wet	1.67		92.7	30-130			
4-Nitrophenol	1.07	0.66	mg/Kg wet	1.67		64.2	10-130			
N-Nitrosodiphenylamine	1.94	0.34	mg/Kg wet	1.67		117	40-140			
N-Nitrosodi-n-propylamine	1.38	0.34	mg/Kg wet	1.67		82.7	40-140			
Pentachloronitrobenzene	1.74	0.34	mg/Kg wet	1.67		104	40-140			V-16
Pentachlorophenol	1.56	0.34	mg/Kg wet	1.67		93.7	30-130			
Phenanthrene	1.59	0.17	mg/Kg wet	1.67		95.1	40-140			
Phenol	1.35	0.34	mg/Kg wet	1.67		80.9	20-130			
Pyrene	1.49	0.17	mg/Kg wet	1.67		89.1	40-140			
Pyridine	0.994	0.34	mg/Kg wet	1.67		59.6	10-140			†
1,2,4,5-Tetrachlorobenzene	1.50	0.34	mg/Kg wet	1.67		90.3	40-140			
1,2,4-Trichlorobenzene	1.48	0.34	mg/Kg wet	1.67		88.6	40-140			
2,4,5-Trichlorophenol	1.48	0.34	mg/Kg wet	1.67		88.6	30-130			
2,4,6-Trichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.2	30-130			
Surrogate: 2-Fluorophenol	*5.98*		mg/Kg wet	6.67		89.7	30-130			
Surrogate: Phenol-d6	*5.63*		mg/Kg wet	6.67		84.5	30-130			
Surrogate: Nitrobenzene-d5	*2.89*		mg/Kg wet	3.33		86.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.91*		mg/Kg wet	3.33		87.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.89*		mg/Kg wet	6.67		103	30-130			
Surrogate: p-Terphenyl-d14	*3.15*		mg/Kg wet	3.33		94.5	30-130			
LCS Dup (B079790-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Acenaphthene	1.53	0.17	mg/Kg wet	1.67		91.9	40-140	0.918	30	
Acenaphthylene	1.52	0.17	mg/Kg wet	1.67		91.2	40-140	0.992	30	
Aniline	1.13	0.34	mg/Kg wet	1.67		67.6	40-140	13.2	50	† ‡
Anthracene	1.60	0.17	mg/Kg wet	1.67		95.8	40-140	0.749	30	
Benzo(a)anthracene	1.61	0.17	mg/Kg wet	1.67		96.5	40-140	2.28	30	
Benzo(a)pyrene	1.65	0.17	mg/Kg wet	1.67		99.0	40-140	0.624	30	
Benzo(b)fluoranthene	1.61	0.17	mg/Kg wet	1.67		96.7	40-140	1.78	30	
Benzo(g,h,i)perylene	1.48	0.17	mg/Kg wet	1.67		89.1	40-140	10.7	30	
Benzo(k)fluoranthene	1.71	0.17	mg/Kg wet	1.67		103	40-140	2.87	30	
Bis(2-chloroethoxy)methane	1.49	0.34	mg/Kg wet	1.67		89.6	40-140	0.784	30	

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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 B079790 - SW-846 3546												
LCS Dup (B079790-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13								
Bis(2-chloroethyl)ether	1.53	0.34	mg/Kg wet	1.67		91.6	40-140	0.0437		30		
Bis(2-chloroisopropyl)ether	1.41	0.34	mg/Kg wet	1.67		84.3	40-140	0.355		30		
Bis(2-Ethylhexyl)phthalate	1.59	0.34	mg/Kg wet	1.67		95.1	40-140	1.32		30		
4-Bromophenylphenylether	1.68	0.34	mg/Kg wet	1.67		101	40-140	1.99		30		
Butylbenzylphthalate	1.56	0.34	mg/Kg wet	1.67		93.7	40-140	1.12		30		
Carbazole	1.60	0.17	mg/Kg wet	1.67		96.0	40-140	2.06		30		
4-Chloroaniline	0.752	0.66	mg/Kg wet	1.67		45.1	40-140	**56.2**	*	30	R-05	†
4-Chloro-3-methylphenol	1.42	0.66	mg/Kg wet	1.67		84.9	30-130	1.84		30		
2-Chloronaphthalene	1.33	0.34	mg/Kg wet	1.67		79.8	40-140	2.92		30		
2-Chlorophenol	1.45	0.34	mg/Kg wet	1.67		86.7	30-130	0.532		30		
4-Chlorophenylphenylether	1.55	0.34	mg/Kg wet	1.67		92.8	40-140	0.644		30		
Chrysene	1.69	0.17	mg/Kg wet	1.67		102	40-140	0.413		30		
Dibenz(a,h)anthracene	1.66	0.17	mg/Kg wet	1.67		99.4	40-140	4.72		30		
Dibenzofuran	1.46	0.34	mg/Kg wet	1.67		87.3	40-140	0.712		30		
Di-n-butylphthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140	2.19		30		
3,3-Dichlorobenzidine	1.28	0.17	mg/Kg wet	1.67		76.9	40-140	23.8		30		† ‡
2,4-Dichlorophenol	1.47	0.34	mg/Kg wet	1.67		87.9	30-130	2.11		30		
Diethylphthalate	1.52	0.34	mg/Kg wet	1.67		91.0	40-140	2.41		30		
2,4-Dimethylphenol	1.45	0.34	mg/Kg wet	1.67		87.2	30-130	3.74		30		
Dimethylphthalate	1.56	0.34	mg/Kg wet	1.67		93.7	40-140	0.621		50		
4,6-Dinitro-2-methylphenol	1.61	0.34	mg/Kg wet	1.67		96.5	30-130	0.603		50		
2,4-Dinitrophenol	1.13	0.66	mg/Kg wet	1.67		67.9	30-130	4.97		50	V-19	
2,4-Dinitrotoluene	1.47	0.34	mg/Kg wet	1.67		88.4	40-140	4.40		30		
2,6-Dinitrotoluene	1.59	0.34	mg/Kg wet	1.67		95.5	40-140	0.605		30		
Di-n-octylphthalate	1.68	0.67	mg/Kg wet	1.67		101	40-140	3.13		30		
Fluoranthene	1.66	0.17	mg/Kg wet	1.67		99.9	40-140	1.19		30		
Fluorene	1.50	0.17	mg/Kg wet	1.67		90.2	40-140	0.155		30		
Hexachlorobenzene	1.73	0.34	mg/Kg wet	1.67		104	40-140	2.38		30		
Hexachlorobutadiene	1.59	0.34	mg/Kg wet	1.67		95.2	40-140	3.38		30		
Hexachlorocyclopentadiene	1.40	0.34	mg/Kg wet	1.67		83.8	30-140	4.97		50		
Hexachloroethane	1.40	0.34	mg/Kg wet	1.67		84.2	40-140	0.931		50		
Indeno(1,2,3-cd)pyrene	1.66	0.17	mg/Kg wet	1.67		99.4	40-140	6.01		50		
Isophorone	1.48	0.34	mg/Kg wet	1.67		89.0	40-140	3.50		30		
2-Methylnaphthalene	1.44	0.17	mg/Kg wet	1.67		86.5	40-140	2.46		30		
2-Methylphenol	1.48	0.34	mg/Kg wet	1.67		89.0	30-130	0.761		30		
3/4-Methylphenol	1.87	0.34	mg/Kg wet	1.67		112	30-130	6.14		30		
Naphthalene	1.46	0.17	mg/Kg wet	1.67		87.6	40-140	2.40		30		
2-Nitroaniline	1.24	0.34	mg/Kg wet	1.67		74.2	40-140	2.87		30		
3-Nitroaniline	1.17	0.34	mg/Kg wet	1.67		70.4	40-140	24.3		30		†
4-Nitroaniline	1.12	0.34	mg/Kg wet	1.67		67.2	40-140	13.3		30		
Nitrobenzene	1.40	0.34	mg/Kg wet	1.67		84.1	40-140	3.90		30		
2-Nitrophenol	1.61	0.34	mg/Kg wet	1.67		96.6	30-130	4.06		30		
4-Nitrophenol	0.991	0.66	mg/Kg wet	1.67		59.4	10-130	7.73		50		‡
N-Nitrosodiphenylamine	1.95	0.34	mg/Kg wet	1.67		117	40-140	0.120		30		
N-Nitrosodi-n-propylamine	1.39	0.34	mg/Kg wet	1.67		83.4	40-140	0.867		30		
Pentachloronitrobenzene	1.82	0.34	mg/Kg wet	1.67		109	40-140	4.87		30	V-16	
Pentachlorophenol	1.59	0.34	mg/Kg wet	1.67		95.3	30-130	1.65		50		
Phenanthrene	1.58	0.17	mg/Kg wet	1.67		95.0	40-140	0.105		30		
Phenol	1.32	0.34	mg/Kg wet	1.67		79.3	20-130	2.00		30		
Pyrene	1.44	0.17	mg/Kg wet	1.67		86.3	40-140	3.19		30		
Pyridine	1.03	0.34	mg/Kg wet	1.67		62.0	10-140	3.91		50		†
1,2,4,5-Tetrachlorobenzene	1.58	0.34	mg/Kg wet	1.67		94.7	40-140	4.76		30		

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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 B079790 - SW-846 3546										
LCS Dup (B079790-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
1,2,4-Trichlorobenzene	1.52	0.34	mg/Kg wet	1.67		91.3	40-140	3.00	30	
2,4,5-Trichlorophenol	1.45	0.34	mg/Kg wet	1.67		87.0	30-130	1.87	30	
2,4,6-Trichlorophenol	1.51	0.34	mg/Kg wet	1.67		90.7	30-130	1.71	50	
Surrogate: 2-Fluorophenol	*5.70*		mg/Kg wet	6.67		85.4	30-130			
Surrogate: Phenol-d6	*5.32*		mg/Kg wet	6.67		79.9	30-130			
Surrogate: Nitrobenzene-d5	*2.85*		mg/Kg wet	3.33		85.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.88*		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.31*		mg/Kg wet	6.67		94.6	30-130			
Surrogate: p-Terphenyl-d14	*2.94*		mg/Kg wet	3.33		88.3	30-130			

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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 B079791 - SW-846 3546										
Blank (B079791-BLK1)				Prepared: 08/29/13 Analyzed: 08/31/13						
alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
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	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	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	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	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	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.200		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		90.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.200		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.178*		mg/Kg wet	0.200		89.0	30-150			

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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 B079791 - SW-846 3546										
LCS (B079791-BS1)				Prepared: 08/29/13 Analyzed: 08/31/13						
Alachlor	0.019	0.020	mg/Kg wet	0.0200		96.5	40-140			
Alachlor [2C]	0.023	0.020	mg/Kg wet	0.0200		115	40-140			
Aldrin	0.021	0.0050	mg/Kg wet	0.0200		107	40-140			
Aldrin [2C]	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
alpha-BHC	0.020	0.0050	mg/Kg wet	0.0200		98.1	40-140			
alpha-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		107	40-140			
beta-BHC	0.021	0.0050	mg/Kg wet	0.0200		103	40-140			
beta-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		111	40-140			
delta-BHC	0.019	0.0050	mg/Kg wet	0.0200		96.6	40-140			
delta-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		107	40-140			
gamma-BHC (Lindane)	0.020	0.0020	mg/Kg wet	0.0200		102	40-140			
gamma-BHC (Lindane) [2C]	0.023	0.0020	mg/Kg wet	0.0200		115	40-140			
4,4'-DDD	0.022	0.0040	mg/Kg wet	0.0200		112	40-140			V-06
4,4'-DDD [2C]	0.023	0.0040	mg/Kg wet	0.0200		117	40-140			
4,4'-DDE	0.022	0.0040	mg/Kg wet	0.0200		110	40-140			
4,4'-DDE [2C]	0.021	0.0040	mg/Kg wet	0.0200		105	40-140			
4,4'-DDT	0.022	0.0040	mg/Kg wet	0.0200		109	40-140			
4,4'-DDT [2C]	0.022	0.0040	mg/Kg wet	0.0200		111	40-140			
Dieldrin	0.022	0.0040	mg/Kg wet	0.0200		111	40-140			
Dieldrin [2C]	0.023	0.0040	mg/Kg wet	0.0200		117	40-140			
Endosulfan I	0.022	0.0050	mg/Kg wet	0.0200		111	40-140			
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		118	40-140			
Endosulfan II	0.022	0.0080	mg/Kg wet	0.0200		110	40-140			
Endosulfan II [2C]	0.024	0.0080	mg/Kg wet	0.0200		119	40-140			
Endosulfan Sulfate	0.022	0.0080	mg/Kg wet	0.0200		109	40-140			
Endosulfan Sulfate [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Endrin	0.022	0.0080	mg/Kg wet	0.0200		109	40-140			
Endrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
Endrin Aldehyde	0.021	0.0080	mg/Kg wet	0.0200		105	40-140			
Endrin Aldehyde [2C]	0.022	0.0080	mg/Kg wet	0.0200		111	40-140			
Endrin Ketone	0.022	0.0080	mg/Kg wet	0.0200		111	40-140			
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		114	40-140			
Heptachlor	0.021	0.0050	mg/Kg wet	0.0200		103	40-140			
Heptachlor [2C]	0.023	0.0050	mg/Kg wet	0.0200		117	40-140			
Heptachlor Epoxide	0.022	0.0050	mg/Kg wet	0.0200		109	40-140			
Heptachlor Epoxide [2C]	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
Hexachlorobenzene	0.023	0.0060	mg/Kg wet	0.0200		117	40-140			
Hexachlorobenzene [2C]	0.022	0.0060	mg/Kg wet	0.0200		112	40-140			
Methoxychlor	0.022	0.050	mg/Kg wet	0.0200		112	40-140			
Methoxychlor [2C]	0.023	0.050	mg/Kg wet	0.0200		114	40-140			
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg wet	0.200		90.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.183*		mg/Kg wet	0.200		91.5	30-150			

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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 B079791 - SW-846 3546										
LCS Dup (B079791-BSD1)				Prepared: 08/29/13 Analyzed: 08/31/13						
Alachlor	0.021	0.020	mg/Kg wet	0.0200		107	40-140	10.6	30	
Alachlor [2C]	0.024	0.020	mg/Kg wet	0.0200		118	40-140	2.14	30	
Aldrin	0.022	0.0050	mg/Kg wet	0.0200		112	40-140	4.55	30	
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	4.93	30	
alpha-BHC	0.021	0.0050	mg/Kg wet	0.0200		103	40-140	4.43	30	
alpha-BHC [2C]	0.023	0.0050	mg/Kg wet	0.0200		114	40-140	5.75	30	
beta-BHC	0.021	0.0050	mg/Kg wet	0.0200		105	40-140	1.82	30	
beta-BHC [2C]	0.023	0.0050	mg/Kg wet	0.0200		115	40-140	3.45	30	
delta-BHC	0.020	0.0050	mg/Kg wet	0.0200		99.1	40-140	2.56	30	
delta-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		111	40-140	3.37	30	
gamma-BHC (Lindane)	0.021	0.0020	mg/Kg wet	0.0200		106	40-140	3.52	30	
gamma-BHC (Lindane) [2C]	0.024	0.0020	mg/Kg wet	0.0200		118	40-140	3.17	30	
4,4'-DDD	0.023	0.0040	mg/Kg wet	0.0200		114	40-140	2.08	30	V-06
4,4'-DDD [2C]	0.024	0.0040	mg/Kg wet	0.0200		121	40-140	3.78	30	
4,4'-DDE	0.023	0.0040	mg/Kg wet	0.0200		113	40-140	2.91	30	
4,4'-DDE [2C]	0.025	0.0040	mg/Kg wet	0.0200		123	40-140	15.8	30	
4,4'-DDT	0.022	0.0040	mg/Kg wet	0.0200		110	40-140	1.73	30	
4,4'-DDT [2C]	0.023	0.0040	mg/Kg wet	0.0200		117	40-140	5.08	30	
Dieldrin	0.023	0.0040	mg/Kg wet	0.0200		116	40-140	4.24	30	
Dieldrin [2C]	0.024	0.0040	mg/Kg wet	0.0200		122	40-140	4.09	30	
Endosulfan I	0.023	0.0050	mg/Kg wet	0.0200		114	40-140	2.83	30	
Endosulfan I [2C]	0.025	0.0050	mg/Kg wet	0.0200		123	40-140	4.23	30	
Endosulfan II	0.023	0.0080	mg/Kg wet	0.0200		114	40-140	3.55	30	
Endosulfan II [2C]	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	3.91	30	
Endosulfan Sulfate	0.022	0.0080	mg/Kg wet	0.0200		110	40-140	0.859	30	
Endosulfan Sulfate [2C]	0.024	0.0080	mg/Kg wet	0.0200		119	40-140	2.99	30	
Endrin	0.022	0.0080	mg/Kg wet	0.0200		112	40-140	3.31	30	
Endrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		122	40-140	3.23	30	
Endrin Aldehyde	0.023	0.0080	mg/Kg wet	0.0200		114	40-140	8.07	30	
Endrin Aldehyde [2C]	0.023	0.0080	mg/Kg wet	0.0200		117	40-140	5.18	30	
Endrin Ketone	0.023	0.0080	mg/Kg wet	0.0200		114	40-140	2.71	30	
Endrin Ketone [2C]	0.024	0.0080	mg/Kg wet	0.0200		119	40-140	3.90	30	
Heptachlor	0.021	0.0050	mg/Kg wet	0.0200		107	40-140	3.64	30	
Heptachlor [2C]	0.024	0.0050	mg/Kg wet	0.0200		121	40-140	3.98	30	
Heptachlor Epoxide	0.022	0.0050	mg/Kg wet	0.0200		111	40-140	1.93	30	
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		121	40-140	3.86	30	
Hexachlorobenzene	0.024	0.0060	mg/Kg wet	0.0200		118	40-140	1.40	30	
Hexachlorobenzene [2C]	0.024	0.0060	mg/Kg wet	0.0200		118	40-140	5.65	30	
Methoxychlor	0.023	0.050	mg/Kg wet	0.0200		114	40-140	2.27	30	
Methoxychlor [2C]	0.024	0.050	mg/Kg wet	0.0200		118	40-140	2.93	30	
Surrogate: Decachlorobiphenyl	*0.191*		mg/Kg wet	0.200		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg wet	0.200		85.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		91.8	30-150			

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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 B079791 - SW-846 3546										
Matrix Spike (B079791-MS1)	**Source: 13H1103-25**		Prepared: 08/29/13 Analyzed: 09/03/13							**Z-01**
Alachlor	ND	9.3	mg/Kg dry	0.0232	ND	*	30-150			V-06
Alachlor [2C]	ND	9.3	mg/Kg dry	0.0232	ND	*	30-150			
Aldrin	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Aldrin [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
alpha-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
alpha-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
beta-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
beta-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
delta-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			V-06
delta-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
gamma-BHC (Lindane)	ND	0.93	mg/Kg dry	0.0232	ND	*	30-150			
gamma-BHC (Lindane) [2C]	ND	0.93	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDD	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDD [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDE	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDE [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDT	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
4,4'-DDT [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
Dieldrin	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
Dieldrin [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan I	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan I [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan II	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan II [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan Sulfate	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endosulfan Sulfate [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endrin	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			V-06
Endrin [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endrin Aldehyde	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endrin Aldehyde [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endrin Ketone	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Endrin Ketone [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150			
Heptachlor	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Heptachlor [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Heptachlor Epoxide	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Heptachlor Epoxide [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150			
Hexachlorobenzene	ND	2.8	mg/Kg dry	0.0232	ND	*	30-150			
Hexachlorobenzene [2C]	ND	2.8	mg/Kg dry	0.0232	ND	*	30-150			
Methoxychlor	ND	23	mg/Kg dry	0.0232	ND	*	30-150			
Methoxychlor [2C]	ND	23	mg/Kg dry	0.0232	ND	*	30-150			
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg dry	0.232		*	30-150			S-01

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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 B079791 - SW-846 3546										
Matrix Spike Dup (B079791-MSD1)	**Source: 13H1103-25**		Prepared: 08/29/13 Analyzed: 09/03/13							**Z-01**
Alachlor	ND	9.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	V-06
Alachlor [2C]	ND	9.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Aldrin	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Aldrin [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
alpha-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
alpha-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
beta-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
beta-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
delta-BHC	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	V-06
delta-BHC [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
gamma-BHC (Lindane)	ND	0.93	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
gamma-BHC (Lindane) [2C]	ND	0.93	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDD	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDD [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDE	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDE [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDT	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
4,4'-DDT [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Dieldrin	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Dieldrin [2C]	ND	1.9	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan I	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan I [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan II	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan II [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan Sulfate	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endosulfan Sulfate [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endrin	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	V-06
Endrin [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endrin Aldehyde	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endrin Aldehyde [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endrin Ketone	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Endrin Ketone [2C]	ND	3.7	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Heptachlor	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Heptachlor [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Heptachlor Epoxide	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Heptachlor Epoxide [2C]	ND	2.3	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Hexachlorobenzene	ND	2.8	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Hexachlorobenzene [2C]	ND	2.8	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Methoxychlor	ND	23	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Methoxychlor [2C]	ND	23	mg/Kg dry	0.0232	ND	*	30-150	NC	30	
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg dry	0.232		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg dry	0.232		*	30-150			S-01

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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 B079860 - SW-846 3546										
Blank (B079860-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
alpha-Chlordane	ND	0.0050	mg/Kg wet							
alpha-Chlordane [2C]	ND	0.0050	mg/Kg wet							
gamma-Chlordane	ND	0.0050	mg/Kg wet							
gamma-Chlordane [2C]	ND	0.0050	mg/Kg wet							
Alachlor	ND	0.020	mg/Kg wet							
Alachlor [2C]	ND	0.020	mg/Kg wet							
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	0.0020	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0020	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0040	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0040	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	0.0040	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0040	mg/Kg wet							
Dieldrin	ND	0.0040	mg/Kg wet							
Dieldrin [2C]	ND	0.0040	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	0.0060	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0060	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Toxaphene	ND	0.10	mg/Kg wet							
Toxaphene [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.210*		mg/Kg wet	0.200		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.2	30-150			

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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 B079860 - SW-846 3546										
LCS (B079860-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Alachlor	0.023	0.020	mg/Kg wet	0.0200		117	40-140			
Alachlor [2C]	0.023	0.020	mg/Kg wet	0.0200		115	40-140			
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		115	40-140			
Aldrin [2C]	0.022	0.0050	mg/Kg wet	0.0200		112	40-140			
alpha-BHC	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			V-06
alpha-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		105	40-140			
beta-BHC	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
beta-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		105	40-140			
delta-BHC	0.022	0.0050	mg/Kg wet	0.0200		112	40-140			V-06
delta-BHC [2C]	0.021	0.0050	mg/Kg wet	0.0200		106	40-140			
gamma-BHC (Lindane)	0.023	0.0020	mg/Kg wet	0.0200		114	40-140			V-06
gamma-BHC (Lindane) [2C]	0.022	0.0020	mg/Kg wet	0.0200		110	40-140			
4,4'-DDD	0.023	0.0040	mg/Kg wet	0.0200		116	40-140			
4,4'-DDD [2C]	0.023	0.0040	mg/Kg wet	0.0200		117	40-140			V-06
4,4'-DDE	0.023	0.0040	mg/Kg wet	0.0200		115	40-140			
4,4'-DDE [2C]	0.023	0.0040	mg/Kg wet	0.0200		114	40-140			V-06
4,4'-DDT	0.023	0.0040	mg/Kg wet	0.0200		115	40-140			
4,4'-DDT [2C]	0.023	0.0040	mg/Kg wet	0.0200		115	40-140			
Dieldrin	0.023	0.0040	mg/Kg wet	0.0200		113	40-140			
Dieldrin [2C]	0.023	0.0040	mg/Kg wet	0.0200		116	40-140			
Endosulfan I	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
Endosulfan I [2C]	0.022	0.0050	mg/Kg wet	0.0200		112	40-140			
Endosulfan II	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
Endosulfan II [2C]	0.023	0.0080	mg/Kg wet	0.0200		116	40-140			
Endosulfan Sulfate	0.024	0.0080	mg/Kg wet	0.0200		122	40-140			
Endosulfan Sulfate [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Endrin	0.025	0.0080	mg/Kg wet	0.0200		123	40-140			V-06
Endrin [2C]	0.023	0.0080	mg/Kg wet	0.0200		117	40-140			V-06
Endrin Aldehyde	0.026	0.0080	mg/Kg wet	0.0200		132	40-140			
Endrin Aldehyde [2C]	0.023	0.0080	mg/Kg wet	0.0200		114	40-140			
Endrin Ketone	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		116	40-140			
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		114	40-140			
Heptachlor [2C]	0.022	0.0050	mg/Kg wet	0.0200		109	40-140			
Heptachlor Epoxide	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
Heptachlor Epoxide [2C]	0.022	0.0050	mg/Kg wet	0.0200		112	40-140			
Hexachlorobenzene	0.025	0.0060	mg/Kg wet	0.0200		124	40-140			
Hexachlorobenzene [2C]	0.022	0.0060	mg/Kg wet	0.0200		109	40-140			
Methoxychlor	0.027	0.050	mg/Kg wet	0.0200		134	40-140			
Methoxychlor [2C]	0.027	0.050	mg/Kg wet	0.0200		134	40-140			V-06
Surrogate: Decachlorobiphenyl	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.200		97.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.9	30-150			

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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 B079860 - SW-846 3546										
LCS Dup (B079860-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Alachlor	0.024	0.020	mg/Kg wet	0.0200		122	40-140	4.43	30	
Alachlor [2C]	0.024	0.020	mg/Kg wet	0.0200		120	40-140	4.14	30	
Aldrin	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	3.94	30	
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	6.43	30	
alpha-BHC	0.025	0.0050	mg/Kg wet	0.0200		124	40-140	4.05	30	V-06
alpha-BHC [2C]	0.023	0.0050	mg/Kg wet	0.0200		113	40-140	6.96	30	
beta-BHC	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	3.64	30	
beta-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		112	40-140	6.80	30	
delta-BHC	0.023	0.0050	mg/Kg wet	0.0200		116	40-140	3.61	30	V-06
delta-BHC [2C]	0.022	0.0050	mg/Kg wet	0.0200		111	40-140	5.07	30	
gamma-BHC (Lindane)	0.024	0.0020	mg/Kg wet	0.0200		118	40-140	3.49	30	V-06
gamma-BHC (Lindane) [2C]	0.023	0.0020	mg/Kg wet	0.0200		117	40-140	6.78	30	
4,4'-DDD	0.024	0.0040	mg/Kg wet	0.0200		120	40-140	3.97	30	
4,4'-DDD [2C]	0.024	0.0040	mg/Kg wet	0.0200		122	40-140	4.64	30	V-06
4,4'-DDE	0.024	0.0040	mg/Kg wet	0.0200		120	40-140	4.33	30	
4,4'-DDE [2C]	0.024	0.0040	mg/Kg wet	0.0200		120	40-140	5.42	30	V-06
4,4'-DDT	0.024	0.0040	mg/Kg wet	0.0200		120	40-140	3.98	30	
4,4'-DDT [2C]	0.024	0.0040	mg/Kg wet	0.0200		121	40-140	5.01	30	
Dieldrin	0.023	0.0040	mg/Kg wet	0.0200		117	40-140	3.83	30	
Dieldrin [2C]	0.024	0.0040	mg/Kg wet	0.0200		122	40-140	4.78	30	
Endosulfan I	0.025	0.0050	mg/Kg wet	0.0200		125	40-140	4.22	30	
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		119	40-140	6.08	30	
Endosulfan II	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	4.07	30	
Endosulfan II [2C]	0.024	0.0080	mg/Kg wet	0.0200		121	40-140	4.19	30	
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	3.19	30	
Endosulfan Sulfate [2C]	0.024	0.0080	mg/Kg wet	0.0200		120	40-140	4.48	30	
Endrin	0.025	0.0080	mg/Kg wet	0.0200		127	40-140	3.64	30	V-06
Endrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		122	40-140	4.42	30	V-06
Endrin Aldehyde	0.027	0.0080	mg/Kg wet	0.0200		137	40-140	3.85	30	
Endrin Aldehyde [2C]	0.024	0.0080	mg/Kg wet	0.0200		119	40-140	5.05	30	
Endrin Ketone	0.025	0.0080	mg/Kg wet	0.0200		125	40-140	3.43	30	
Endrin Ketone [2C]	0.024	0.0080	mg/Kg wet	0.0200		121	40-140	4.42	30	
Heptachlor	0.024	0.0050	mg/Kg wet	0.0200		119	40-140	4.41	30	
Heptachlor [2C]	0.024	0.0050	mg/Kg wet	0.0200		118	40-140	7.55	30	
Heptachlor Epoxide	0.025	0.0050	mg/Kg wet	0.0200		124	40-140	4.50	30	
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		118	40-140	5.28	30	
Hexachlorobenzene	0.026	0.0060	mg/Kg wet	0.0200		130	40-140	4.49	30	
Hexachlorobenzene [2C]	0.023	0.0060	mg/Kg wet	0.0200		117	40-140	6.99	30	
Methoxychlor	0.028	0.050	mg/Kg wet	0.0200		139	40-140	4.33	30	
Methoxychlor [2C]	0.028	0.050	mg/Kg wet	0.0200		139	40-140	3.74	30	V-06
Surrogate: Decachlorobiphenyl	*0.219*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.197*		mg/Kg wet	0.200		98.5	30-150			

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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 B079860 - SW-846 3546										
Matrix Spike (B079860-MS1)	**Source: 13H1103-45**		Prepared: 08/29/13 Analyzed: 08/31/13							**Z-01**
Alachlor	ND	42	mg/Kg dry	0.0210	ND	*	30-150			
Alachlor [2C]	ND	42	mg/Kg dry	0.0210	ND	*	30-150			
Aldrin	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Aldrin [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
alpha-BHC	ND	10	mg/Kg dry	0.0210	ND	*	30-150			V-06
alpha-BHC [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
beta-BHC	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
beta-BHC [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
delta-BHC	ND	10	mg/Kg dry	0.0210	ND	*	30-150			V-06
delta-BHC [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
gamma-BHC (Lindane)	ND	4.2	mg/Kg dry	0.0210	ND	*	30-150			
gamma-BHC (Lindane) [2C]	ND	4.2	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDD	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDD [2C]	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDE	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDE [2C]	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDT	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
4,4'-DDT [2C]	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
Dieldrin	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
Dieldrin [2C]	ND	8.4	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan I	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan I [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan II	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan II [2C]	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan Sulfate	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endosulfan Sulfate [2C]	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin [2C]	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin Aldehyde	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin Aldehyde [2C]	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin Ketone	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Endrin Ketone [2C]	ND	17	mg/Kg dry	0.0210	ND	*	30-150			
Heptachlor	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Heptachlor [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Heptachlor Epoxide	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Heptachlor Epoxide [2C]	ND	10	mg/Kg dry	0.0210	ND	*	30-150			
Hexachlorobenzene	ND	13	mg/Kg dry	0.0210	ND	*	30-150			
Hexachlorobenzene [2C]	ND	13	mg/Kg dry	0.0210	ND	*	30-150			
Methoxychlor	ND	100	mg/Kg dry	0.0210	ND	*	30-150			
Methoxychlor [2C]	ND	100	mg/Kg dry	0.0210	ND	*	30-150			
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg dry	0.210		*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg dry	0.210		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg dry	0.210		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg dry	0.210		*	30-150			S-01

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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 B079860 - SW-846 3546										
Matrix Spike Dup (B079860-MSD1)	**Source: 13H1103-45**		Prepared: 08/29/13 Analyzed: 08/31/13							**Z-01**
Alachlor	ND	42	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Alachlor [2C]	ND	42	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Aldrin	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Aldrin [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
alpha-BHC	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	V-06
alpha-BHC [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
beta-BHC	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
beta-BHC [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
delta-BHC	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	V-06
delta-BHC [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
gamma-BHC (Lindane)	ND	4.2	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
gamma-BHC (Lindane) [2C]	ND	4.2	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDD	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDD [2C]	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDE	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDE [2C]	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDT	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
4,4'-DDT [2C]	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Dieldrin	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Dieldrin [2C]	ND	8.5	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan I	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan I [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan II	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan II [2C]	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan Sulfate	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endosulfan Sulfate [2C]	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin [2C]	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin Aldehyde	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin Aldehyde [2C]	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin Ketone	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Endrin Ketone [2C]	ND	17	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Heptachlor	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Heptachlor [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Heptachlor Epoxide	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Heptachlor Epoxide [2C]	ND	11	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Hexachlorobenzene	ND	13	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Hexachlorobenzene [2C]	ND	13	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Methoxychlor	ND	110	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Methoxychlor [2C]	ND	110	mg/Kg dry	0.0212	ND	*	30-150	NC	30	
Surrogate: Decachlorobiphenyl	*0.00*		mg/Kg dry	0.212		*	30-150			S-01
Surrogate: Decachlorobiphenyl [2C]	*0.00*		mg/Kg dry	0.212		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene	*0.00*		mg/Kg dry	0.212		*	30-150			S-01
Surrogate: Tetrachloro-m-xylene [2C]	*0.00*		mg/Kg dry	0.212		*	30-150			S-01

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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 B079859 - SW-846 3546										
Blank (B079859-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.179*		mg/Kg wet	0.200		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.191*		mg/Kg wet	0.200		95.5	30-150			
LCS (B079859-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		96.6	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.6	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.9	40-140			
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		95.8	40-140			
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		96.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		93.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
LCS Dup (B079859-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		92.6	40-140	4.17	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		96.7	40-140	2.91	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		92.8	40-140	4.33	30	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.200		91.3	40-140	4.87	30	
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg wet	0.200		91.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.182*		mg/Kg wet	0.200		91.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg wet	0.200		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.200		86.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079931 - SW-846 3546										
Blank (B079931-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.40*		mg/Kg wet	3.33		72.0	50-150			
LCS (B079931-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
CT ETPH	27.9	10	mg/Kg wet	33.3		83.7	60-120			
Surrogate: o-Terphenyl	*2.72*		mg/Kg wet	3.33		81.6	50-150			
LCS Dup (B079931-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
CT ETPH	28.0	10	mg/Kg wet	33.3		84.0	60-120	0.316	30	
Surrogate: o-Terphenyl	*2.61*		mg/Kg wet	3.33		78.4	50-150			
Matrix Spike (B079931-MS1)	**Source: 13H1103-01**			Prepared: 08/30/13 Analyzed: 09/03/13						
CT ETPH	35.5	12	mg/Kg dry	39.2	13.6	55.9	50-150			
Surrogate: o-Terphenyl	*2.67*		mg/Kg dry	3.92		68.1	50-150			
Matrix Spike Dup (B079931-MSD1)	**Source: 13H1103-01**			Prepared: 08/30/13 Analyzed: 09/03/13						
CT ETPH	37.1	12	mg/Kg dry	39.2	13.6	60.0	50-150	4.39	30	
Surrogate: o-Terphenyl	*2.67*		mg/Kg dry	3.92		68.3	50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079826 - SW-846 3050B										
Blank (B079826-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							
LCS (B079826-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	181	5.0	mg/Kg wet	182		99.5	83-117.6			
Barium	137	5.0	mg/Kg wet	143		95.5	83.2-117.5			
Cadmium	63.2	0.50	mg/Kg wet	60.4		105	83.1-116.9			
Chromium	124	1.0	mg/Kg wet	125		99.1	81.6-117.6			
Copper	82.2	1.0	mg/Kg wet	80.1		103	83.8-116.1			
Lead	124	1.5	mg/Kg wet	136		91.4	82.4-117.8			
Nickel	122	1.0	mg/Kg wet	128		95.1	84.4-115.6			
Selenium	87.0	10	mg/Kg wet	85.9		101	80-120			
Silver	55.8	1.0	mg/Kg wet	61.3		91.0	66.2-133.8			
Zinc	192	2.0	mg/Kg wet	204		94.0	81.9-117.6			
LCS Dup (B079826-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	181	5.0	mg/Kg wet	182		99.6	83-117.6	0.157	30	
Barium	134	5.0	mg/Kg wet	143		93.8	83.2-117.5	1.75	30	
Cadmium	60.6	0.50	mg/Kg wet	60.4		100	83.1-116.9	4.21	30	
Chromium	122	1.0	mg/Kg wet	125		97.5	81.6-117.6	1.64	30	
Copper	79.8	1.0	mg/Kg wet	80.1		99.7	83.8-116.1	2.94	30	
Lead	125	1.5	mg/Kg wet	136		91.7	82.4-117.8	0.276	30	
Nickel	119	1.0	mg/Kg wet	128		93.3	84.4-115.6	1.95	30	
Selenium	83.2	10	mg/Kg wet	85.9		96.8	80-120	4.45	30	
Silver	54.8	1.0	mg/Kg wet	61.3		89.4	66.2-133.8	1.75	30	
Zinc	188	2.0	mg/Kg wet	204		92.2	81.9-117.6	1.91	30	
MRL Check (B079826-MRL1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Lead	0.710	0.74	mg/Kg wet	0.735		96.6	80-120			
Batch B079853 - SW-846 3050B										
Blank (B079853-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079853 - SW-846 3050B										
LCS (B079853-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	198	5.0	mg/Kg wet	182		109	83-117.6			
Barium	154	5.0	mg/Kg wet	143		107	83.2-117.5			
Cadmium	65.4	0.50	mg/Kg wet	60.4		108	83.1-116.9			
Chromium	133	0.99	mg/Kg wet	125		106	81.6-117.6			
Copper	81.9	0.99	mg/Kg wet	80.1		102	83.8-116.1			
Lead	140	1.5	mg/Kg wet	136		103	82.4-117.8			
Nickel	131	0.99	mg/Kg wet	128		102	84.4-115.6			
Selenium	85.8	9.9	mg/Kg wet	85.9		99.8	80-120			
Silver	57.7	0.99	mg/Kg wet	61.3		94.2	66.2-133.8			
Zinc	213	2.0	mg/Kg wet	204		104	81.9-117.6			
LCS Dup (B079853-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	194	5.0	mg/Kg wet	182		107	83-117.6	1.64	30	
Barium	146	5.0	mg/Kg wet	143		102	83.2-117.5	4.87	30	
Cadmium	63.4	0.50	mg/Kg wet	60.4		105	83.1-116.9	3.10	30	
Chromium	130	1.0	mg/Kg wet	125		104	81.6-117.6	2.56	30	
Copper	80.5	1.0	mg/Kg wet	80.1		101	83.8-116.1	1.66	30	
Lead	135	1.5	mg/Kg wet	136		99.5	82.4-117.8	3.14	30	
Nickel	128	1.0	mg/Kg wet	128		99.6	84.4-115.6	2.72	30	
Selenium	84.8	10	mg/Kg wet	85.9		98.7	80-120	1.16	30	
Silver	55.7	1.0	mg/Kg wet	61.3		90.9	66.2-133.8	3.59	30	
Zinc	208	2.0	mg/Kg wet	204		102	81.9-117.6	2.10	30	
MRL Check (B079853-MRL1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Lead	0.811	0.71	mg/Kg wet	0.712		114	80-120			
Batch B079927 - SW-846 7471										
Blank (B079927-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	ND	0.025	mg/Kg wet							
LCS (B079927-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	3.87	0.33	mg/Kg wet	4.05		95.5	71.6-128.1			
LCS Dup (B079927-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	3.92	0.33	mg/Kg wet	4.05		96.9	71.6-128.1	1.41	30	
Batch B079955 - SW-846 7471										
Blank (B079955-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	ND	0.025	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079955 - SW-846 7471										
LCS (B079955-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	4.15	0.33	mg/Kg wet	4.05		102	71.6-128.1			
LCS Dup (B079955-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	3.67	0.33	mg/Kg wet	4.05		90.6	71.6-128.1	12.4	30	
Duplicate (B079955-DUP1)	**Source: 13H1103-34**			Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	0.0688	0.031	mg/Kg dry		0.0572			18.4	35	
Matrix Spike (B079955-MS1)	**Source: 13H1103-34**			Prepared: 08/30/13 Analyzed: 09/03/13						
Mercury	0.267	0.031	mg/Kg dry	0.209	0.0572	100	75-125			

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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 B080088 - % Solids										
Duplicate (B080088-DUP1)	**Source: 13H1103-01**			Prepared: 09/04/13 Analyzed: 09/05/13						
% Solids	85.8		% Wt		85.1			0.819	20	
Duplicate (B080088-DUP2)	**Source: 13H1103-02**			Prepared: 09/04/13 Analyzed: 09/05/13						
% Solids	91.5		% Wt		81.5			11.6	20	
Duplicate (B080088-DUP3)	**Source: 13H1103-04**			Prepared: 09/04/13 Analyzed: 09/05/13						
% Solids	96.5		% Wt		86.9			10.5	20	
Duplicate (B080088-DUP4)	**Source: 13H1103-05**			Prepared: 09/04/13 Analyzed: 09/05/13						
% Solids	80.9		% Wt		81.6			0.862	20	
Duplicate (B080088-DUP5)	**Source: 13H1103-07**			Prepared: 09/04/13 Analyzed: 09/05/13						
% Solids	90.2		% Wt		89.7			0.556	20	

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BREAKDOWN REPORT

Lab Sample ID:	S004608-PEM1	Analyzed:	08/30/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.75
Endrin [1]	10.84

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	2.20
Endrin [2]	9.31

BREAKDOWN REPORT

Lab Sample ID:	S004608-PEM2	Analyzed:	08/30/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.28
Endrin [1]	8.53

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	0.85
Endrin [2]	7.00

BREAKDOWN REPORT

Lab Sample ID:	S004608-PEM3	Analyzed:	08/31/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.10
Endrin [1]	5.95

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BREAKDOWN REPORT

Lab Sample ID:	S004608-PEM3	Analyzed:	08/31/2013

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.32
Endrin [2]	4.91

BREAKDOWN REPORT

Lab Sample ID:	S004608-PEM4	Analyzed:	08/31/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.04
Endrin [1]	6.14

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.41
Endrin [2]	4.99

BREAKDOWN REPORT

Lab Sample ID:	S004613-PEM1	Analyzed:	08/31/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	1.70
Endrin [1]	1.87

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.95
Endrin [2]	2.01

BREAKDOWN REPORT

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BREAKDOWN REPORT

Lab Sample ID:	S004614-PEM1	Analyzed:	09/03/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.08
Endrin [1]	5.97

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	1.44
Endrin [2]	4.69

BREAKDOWN REPORT

Lab Sample ID:	S004614-PEM2	Analyzed:	09/03/2013

Column Number: 1

Analyte	% Breakdown
4,4'-DDT [1]	2.84
Endrin [1]	4.90

Column Number: 2

Analyte	% Breakdown
4,4'-DDT [2]	2.20
Endrin [2]	3.73

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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.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank /laboratory control sample 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.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result 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.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
P-04	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-11	Elevated reporting limit due to high concentration of target compounds.
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.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased 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. Increased 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 may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
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.
V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
Z-01	The MS/MSD recovery for this sample is not available due to sample dilution below the reporting limit required from high chlordane concentration.
Z-02	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8081B in Soil	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Soil	
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8081B in Water	
Alachlor	NC
Alachlor [2C]	NC
Aldrin	CT,NH,NY,ME,NC,VA
Aldrin [2C]	CT,NH,NY,ME,NC,VA
alpha-BHC	CT,NH,NY,ME,NC,VA
alpha-BHC [2C]	CT,NH,NY,ME,NC,VA
beta-BHC	CT,NH,NY,ME,NC,VA
beta-BHC [2C]	CT,NH,NY,ME,NC,VA
delta-BHC	CT,NH,NY,ME,NC,VA
delta-BHC [2C]	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane)	CT,NH,NY,ME,NC,VA
gamma-BHC (Lindane) [2C]	CT,NH,NY,ME,NC,VA
Chlordane	CT,NH,NY,ME,NC,VA
Chlordane [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDD	CT,NH,NY,ME,NC,VA
4,4'-DDD [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDE	CT,NH,NY,ME,NC,VA
4,4'-DDE [2C]	CT,NH,NY,ME,NC,VA
4,4'-DDT	CT,NH,NY,ME,NC,VA
4,4'-DDT [2C]	CT,NH,NY,ME,NC,VA
Dieldrin	CT,NH,NY,ME,NC,VA
Dieldrin [2C]	CT,NH,NY,ME,NC,VA
Endosulfan I	CT,NH,NY,ME,NC,VA
Endosulfan I [2C]	CT,NH,NY,ME,NC,VA
Endosulfan II	CT,NH,NY,ME,NC,VA
Endosulfan II [2C]	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate	CT,NH,NY,ME,NC,VA
Endosulfan Sulfate [2C]	CT,NH,NY,ME,NC,VA
Endrin	CT,NH,NY,ME,NC,VA
Endrin [2C]	CT,NH,NY,ME,NC,VA
Endrin Aldehyde	CT,NH,NY,ME,NC,VA
Endrin Aldehyde [2C]	CT,NH,NY,ME,NC,VA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8081B in Water	
Endrin Ketone	NC
Endrin Ketone [2C]	NC
Heptachlor	CT,NH,NY,ME,NC,VA
Heptachlor [2C]	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide	CT,NH,NY,ME,NC,VA
Heptachlor Epoxide [2C]	CT,NH,NY,ME,NC,VA
Hexachlorobenzene	NC
Hexachlorobenzene [2C]	NC
Methoxychlor	CT,NH,NY,ME,NC,VA
Methoxychlor [2C]	CT,NH,NY,ME,NC,VA
Toxaphene	CT,NH,NY,ME,NC,VA
Toxaphene [2C]	CT,NH,NY,ME,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

con-test ANALYTICAL LABORATORY
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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

13H1103

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Loureiro Eng Assoc. Telephone: 860 460 6131

Address: 100 Northwest Dr Project #: 13HM30.006

Plainville CT Client PO#:

Attention: Dan Hagen

Project Location: Oral School Rd Mystic CT

Sampled By: TJN

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
☑ FAX ☑ EMAIL ○ WEBSITE
Fax #:
Email: DJHagen@loureiro.com
Format: ☑ PDF ○ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Cons Code	VOC's 8260	SVOC's 8270	PCB's	Pesticides 8081	RCRA 8 Cu, Ni, Zn	CT ETPH	Hold						
01	1287374	8/28/13	1100		✓	S			✓	✓			✓							
02	1287375		1105		✓	S			✓	✓			✓							
03	1287385		1115		✓	S								✓						
04	1287400		1120		✓	S			✓	✓			✓							
05	1287401		1125		✓	S			✓	✓			✓							
06	1287402		1130		✓	S								✓						
07	1287403		1155		✓	S		✓	✓			✓	✓							
08	1287404		1200		✓	S		✓	✓			✓	✓							
09	1287405		1205		✓	S								✓						
10	1287329	↓	1210		✓	S								✓						

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= dnnking water
A = air
S = soil/solid
SL= sludge
O = other

Comments:

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)	8/28/13	Date/Time: 415
Received by: (signature)	8/28/13	Date/Time: 415
Relinquished by: (signature)	8/28/13	Date/Time: 6
Received by: (signature) 5.9°	8/28/13	Date/Time: 1835

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
☑ RCP Form Required 8/28/13 2010 in
○ MA State DW Form Required PWSID #

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

13H1103

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Loureiro Eng. Assoc.
Address: 100 Northwest Dr
Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project # 18HM301.006
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	~~PAH~~ (D) PCBs	CT ETPH	RCRA 8 Cu, Ni, Zn	Pesticides 8081	Hold				
11	1287330	8/28/13	1310		✓	S		✓	✓		✓	✓						
12	1287331	↓	1315		✓	S		✓	✓		✓	✓						
13	1287333		1325		✓	S								✓				
14	1287332		1320		✓	S	TJN	✓	✓		✓	✓		✓				
15	1287334		0930		✓	S		✓										
16	1287335		1405		✓	S					✓							
17	1287336		1410		✓	S					✓							
18	1287337		1415		✓	S								✓				
19	1287338		1435		✓	S			✓	✓	✓							
20	1287339	↓	1440		✓	S			✓	✓	✓							

# 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

Comments:

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) [signature]	8/28/13	Date/Time: 4:15
Received by: (signature) [signature]	8/28/13	Date/Time: 4:15
Relinquished by: (signature) [signature]	8/28/13	Date/Time: 6:35
Received by: (signature) [signature]	8/28/13	Date/Time: 18:35

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____

8/28/13 2010 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

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.

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CHAIN OF CUSTODY RECORD

13H1103

Rev 04.05.12

39 Spruce Street
East longmeadow, MA 01028

Company Name: Loureiro Eng. Assoc.
Address: 100 Northwest Dr. Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project # 18HM301.006
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	PCB's	RCRA 8 Ni, Zn	Pesticides 8081	Hold	# of Containers	** Preservation	***Container Code
21	1287340	8/28/13	1445		✓	S								✓			
22	1287341		1510		✓	S		✓	✓	✓							
23	1287342		1520		✓	S		✓	✓	✓							
24	1287343		1525		✓	S		✓	✓	✓							

ANALYSIS REQUESTED

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

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
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Received by: (signature)	8/28/13	Date/Time: 4:25
Relinquished by: (signature)	8/28/13	Date/Time: 6
Received by: (signature)	8/28/13	Date/Time: 1835

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

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Massachusetts:
Connecticut:
Other:

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✓ RCP Form Required
○ MA State DW Form Required PWSID # ____

8/28/13 2010 in

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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

13H1103

Rev 04.05.12

Page 4 of 6

Company Name: Loureiro Eng. Assoc. Telephone: 860-747-6181

Address: 100 Northwest Dr. Project # 18HM301.006

Plainville, CT Client PO#

Attention: Dan Hagen

Project Location: Oral School Rd Mystic, CT

Sampled By: DJH

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ☒ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	Pesticides	RCRA 8 Met + Cu, Ni, Zn	# of Containers	** Preservation	***Container Code
25	1287377	8/28/13	11:45			S		✓	✓			
26	1287378		11:55					✓	✓			
27	1287379		12:00					✓	✓			
28	1287380		12:05					✓	✓			
29	1287381		12:15					✓	✓			
30	1287386		12:30					✓	✓			
31	1287387		13:15					✓	✓			
32	1287388		13:20					✓	✓			
33	1287389		13:25					✓	✓			
34	1287390		13:35					✓	✓			

ANALYSIS REQUESTED

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

Comments:

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:
8/28/13	4:15
Received by: (signature) 8/28/13	4:15
Relinquished by: (signature) 8/28/13	6:25
Received by: (signature) 8/28/13	Date/Time: 1835

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required 8/28/13 2010 in
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

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WBE/DBE Certified

†† 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.

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con-test ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

13H1103
Rev 04.05.12

Company Name: Loureiro Eng. Assoc
Address: 100 Northwest Dr
Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic, CT
Sampled By: DJH

Telephone: 860-747-6181
Project #: 18HM301.006
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #:
Email: DJHagen@loureiro.com
Format: ⊗ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	Pesticides	RCRA 8 Met + Cu, Ni, Zn	# of Containers	** Preservation	***Container Code
35	1287391	8/28	13:40			S		✓	✓			
36	1287392		15:00					✓	✓			
37	1287393		15:05					✓	✓			
38	1287342		15:10					✓	✓			
39	1287383		15:15					✓	✓			
40	1287384		15:20					✓	✓			
41	1287394		15:40					✓	✓			
42	1287395		15:45					✓	✓			
43	1287396		16:00					✓	✓			
44	1287406		16:00					✓	✓			

ANALYSIS REQUESTED

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

Comments:

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) Dan Hagen	8/28/13	Date/Time: 4:15
Received by: (signature)	8/28/13	Date/Time: 4:15
Relinquished by: (signature)	8/28/13	Date/Time: 6:25
Received by: (signature)	8/28/13	Date/Time: 1835

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____
8/28/13 2010 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

13H1103
Rev 04.05.12

Company Name: Loureiro Eng. Ass. Telephone: 860-747-6181
Address: 100 Northwest Drive Project # 18HM301.006
Plainville, CT Client PO#
Attention: Dan Hagen
Project Location: Oral School Rd Mystic, CT
Sampled By: DJH

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #
Email: DJHAGEN@loureiro.com
Format: X PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code
45	1287397	8/28/13	17:00				

ANALYSIS REQUESTED

# of Containers		
** Preservation		
***Container Code		
✓ Pesticides	✓ RCRA 8 + Cu, Ni, Zn	Dissolved Metals: O Field Filtered O 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
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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_____

Comments:

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)	8/28/13	4
Received by: (signature)	8/28/13	4:15
Relinquished by: (signature)	8/28/13	6
Received by: (signature)	8/28/13	1835

Turnaround ††
- ☐ 7-Day
- ☐ 10-Day
- ☐ Other ____

RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # _____
8/28/13 2010.h

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WBE/DBE Certified

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F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: LEA **RECEIVED BY:** JMH **DATE:** 8/28/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

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 _____ Temperature °C by Temp gun 5.9c

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	52
500 mL Amber		4 oz amber/clear jar	30
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	36	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials:	# HCl		# Methanol	12
	# Bisulfate		# DI Water	24
	# Thiosulfate		Unpreserved	

Time and Date Frozen: 8/28/13 2010 in

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/3/13
Data File Name	A0903023.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.24	397545	403663	-2
c - 10	1.59	415605	403663	3
c - 12	2.31	410587	403663	2
c - 14	2.98	414373	403663	3
c - 16	3.57	409008	403663	1
c - 18	4.17	414582	403663	3
o-Terphenyl	4.45	556620	403663	
c - 20	4.79	408655	403663	1
c - 22	5.29	405920	403663	1
c - 24	5.73	403740	403663	0
c - 26	6.13	401947	403663	0
c - 28	6.49	398249	403663	-1
c - 30	6.82	399257	403663	-1
c - 32	7.13	391389	403663	-3
c - 34	7.42	391647	403663	-3
c - 36	7.72	392437	403663	-3

* One compound allowed %D </= 50%

Samples

13H1103-01
13H1103-02
13H1103-04
13H1103-05
13H1103-11
1H31103-12
13H1103-16
13H1103-17
13H1103-19
13H1103-20
13H1103-22
13H1103-24
13H1103-08
13H1103-23
13H1103-07@5X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: 240 Oral School Road, Mystic, CT

Project Number: 13H1103

Laboratory Sample ID(s):

13H1103-01 thru 13H1103-45

Sample Date(s):

08/28/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C, SW-846 7471B, SW-846 8081B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 09/05/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 11, 2013

Dan Hagen
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: 240 Oral School Road, Mystic CT
Client Job Number:
Project Number: 18HM301.006
Laboratory Work Order Number: 13H1143

Enclosed are results of analyses for samples received by the laboratory on August 29, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/11/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1143

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287344	13H1143-01	Soil		SW-846 8260C	
1287349	13H1143-02	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
1287350	13H1143-03	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8082A	
				SW-846 8260C	
				SW-846 8270D	
1287410	13H1143-04	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
1287411	13H1143-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
1287325	13H1143-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
				SW-846 8270D	
1287326	13H1143-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287327	13H1143-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8270D	
1287345	13H1143-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	

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Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/11/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1143

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287398	13H1143-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 6010C	
				SW-846 7471B	
				SW-846 8260C	
				SW-846 8270D	
1287408	13H1143-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	
1287409	13H1143-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8260C	

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

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, only RCRA 8 metals, Cu, Ni and Zn were requested and reported.

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

CTDEP ETPH

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:

CT ETPH

13H1143-04[1287410], B080054-MS1, B080054-MSD1

SW-846 8260C

Qualifications:

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12), Methylene Chloride

13H1143-01[1287344], 13H1143-02[1287349], 13H1143-03[1287350], 13H1143-04[1287410], 13H1143-05[1287411], 13H1143-06[1287325], 13H1143-09[1287345], 13H1143-10[1287398], 13H1143-11[1287408], 13H1143-12[1287409], B079923-BLK1, B079923-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Methylene Chloride

13H1143-01[1287344], 13H1143-02[1287349], 13H1143-03[1287350], 13H1143-04[1287410], 13H1143-05[1287411], 13H1143-06[1287325], 13H1143-09[1287345], 13H1143-10[1287398], 13H1143-11[1287408], 13H1143-12[1287409], B079923-BLK1, B079923-BS1

SW-846 8270D

Qualifications:

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

13H1143-03[1287350]

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13H1143-02[1287349], 13H1143-03[1287350], 13H1143-06[1287325], 13H1143-07[1287326], 13H1143-08[1287327], 13H1143-09[1287345], 13H1143-10[1287398], B079929-BLK1, B079929-BS1, B079929-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, 4,6-Dinitro-2-methylphenol

B079929-BLK1, B079929-BS1, B079929-BSD1, 13H1143-02[1287349], 13H1143-03[1287350], 13H1143-06[1287325], 13H1143-07[1287326], 13H1143-08[1287327], 13H1143-09[1287345], 13H1143-10[1287398]

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:

2,4-Dinitrophenol, 2,4-Dinitrotoluene

13H1143-02[1287349], 13H1143-03[1287350], 13H1143-06[1287325], 13H1143-07[1287326], 13H1143-08[1287327], 13H1143-09[1287345], 13H1143-10[1287398]

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

SW-846 8270D

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287344 Sampled: 8/29/2013 08:38

Sample ID: 13H1143-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Bromoform	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Bromomethane	ND	0.010	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:25	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
n-Butylbenzene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Chloromethane	ND	0.010	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:25	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Hexachlorobutadiene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287344 Sampled: 8/29/2013 08:38

Sample ID: 13H1143-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 13:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	8/30/13	8/30/13 13:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		8/30/13 13:25
Toluene-d8	97.4	70-130		8/30/13 13:25
4-Bromofluorobenzene	88.2	70-130		8/30/13 13:25

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.061	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Acrylonitrile	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Bromomethane	ND	0.0061	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:53	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
n-Butylbenzene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Carbon Disulfide	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Carbon Tetrachloride	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Chlorodibromomethane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Chloromethane	ND	0.0061	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:53	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,3-Dichloropropane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
cis-1,3-Dichloropropene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
trans-1,3-Dichloropropene	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Hexachlorobutadiene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 13:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.00061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Tetrahydrofuran	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
Vinyl Chloride	ND	0.0061	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 13:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	107	70-130		8/30/13 13:53
Toluene-d8	96.8	70-130		8/30/13 13:53
4-Bromofluorobenzene	86.8	70-130		8/30/13 13:53

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Benzo(a)anthracene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Benzo(a)pyrene	0.60	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Benzo(b)fluoranthene	0.78	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Benzo(g,h,i)perylene	0.33	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Benzo(k)fluoranthene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Chrysene	0.67	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Fluoranthene	0.86	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Indeno(1,2,3-cd)pyrene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

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	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Phenanthrene	0.32	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Pyrene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:04	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	80.1	30-130		9/5/13 13:04
Phenol-d6	81.0	30-130		9/5/13 13:04
Nitrobenzene-d5	86.1	30-130		9/5/13 13:04
2-Fluorobiphenyl	82.4	30-130		9/5/13 13:04
2,4,6-Tribromophenol	76.4	30-130		9/5/13 13:04
p-Terphenyl-d14	87.2	30-130		9/5/13 13:04

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

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	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:40	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.2	30-150		8/30/13 17:40
Decachlorobiphenyl [2]	85.4	30-150		8/30/13 17:40
Tetrachloro-m-xylene [1]	92.5	30-150		8/30/13 17:40
Tetrachloro-m-xylene [2]	89.7	30-150		8/30/13 17:40

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	82	54	mg/Kg dry	5		CTDEP ETPH	9/3/13	9/4/13 13:36	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	61.2	50-150		9/4/13 13:36

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Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Barium	32	2.7	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Chromium	9.3	0.54	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Copper	12	0.54	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Lead	6.0	0.81	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	9/3/13	9/4/13 13:29	SAJ
Nickel	5.5	0.54	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/30/13	9/4/13 16:17	OP
Zinc	24	1.1	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:03	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287349 Sampled: 8/29/2013 08:30

Sample ID: 13H1143-02

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	91.2		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.051	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Acrylonitrile	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Benzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Bromobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Bromodichloromethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Bromoform	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Bromomethane	ND	0.0051	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:20	MFF
2-Butanone (MEK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
n-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
sec-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
tert-Butylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Carbon Disulfide	ND	0.0030	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Chlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Chlorodibromomethane	ND	0.00051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Chloroethane	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Chloroform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Chloromethane	ND	0.0051	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:20	MFF
2-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
4-Chlorotoluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Dibromomethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,3-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,4-Dichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2-Dichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
cis-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
trans-1,2-Dichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,3-Dichloropropane	ND	0.00051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
2,2-Dichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1-Dichloropropene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
cis-1,3-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
trans-1,3-Dichloropropene	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Ethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
2-Hexanone (MBK)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Isopropylbenzene (Cumene)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Methylene Chloride	ND	0.010	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Naphthalene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
n-Propylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Styrene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.00051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Tetrachloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Tetrahydrofuran	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Toluene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2,3-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2,4-Trichlorobenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1,1-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1,2-Trichloroethane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Trichloroethylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2,3-Trichloropropane	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,2,4-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
1,3,5-Trimethylbenzene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
Vinyl Chloride	ND	0.0051	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
m+p Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF
o-Xylene	ND	0.0010	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	102	70-130		8/30/13 14:20
Toluene-d8	96.7	70-130		8/30/13 14:20
4-Bromofluorobenzene	87.6	70-130		8/30/13 14:20

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Acenaphthylene	2.0	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Aniline	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Anthracene	2.4	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Benzo(a)anthracene	7.8	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Benzo(a)pyrene	7.5	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Benzo(b)fluoranthene	9.4	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Benzo(g,h,i)perylene	3.6	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Benzo(k)fluoranthene	3.4	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Bis(2-chloroethoxy)methane	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Bis(2-chloroethyl)ether	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Bis(2-chloroisopropyl)ether	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Bis(2-Ethylhexyl)phthalate	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Bromophenylphenylether	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Butylbenzylphthalate	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Carbazole	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Chloroaniline	ND	5.8	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Chloro-3-methylphenol	ND	5.8	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2-Chloronaphthalene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2-Chlorophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Chlorophenylphenylether	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Chrysene	8.5	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Dibenz(a,h)anthracene	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Dibenzofuran	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Di-n-butylphthalate	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
3,3-Dichlorobenzidine	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4-Dichlorophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Diethylphthalate	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4-Dimethylphenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Dimethylphthalate	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4,6-Dinitro-2-methylphenol	ND	3.0	mg/Kg dry	4	V-19	SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4-Dinitrophenol	ND	5.8	mg/Kg dry	4	V-20	SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4-Dinitrotoluene	ND	3.0	mg/Kg dry	4	V-20	SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,6-Dinitrotoluene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Di-n-octylphthalate	ND	5.9	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Fluoranthene	16	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Fluorene	1.8	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Hexachlorobenzene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Hexachlorobutadiene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Hexachlorocyclopentadiene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Hexachloroethane	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Indeno(1,2,3-cd)pyrene	3.9	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Isophorone	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2-Methylnaphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
3/4-Methylphenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Naphthalene	ND	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2-Nitroaniline	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
3-Nitroaniline	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Nitroaniline	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Nitrobenzene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2-Nitrophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
4-Nitrophenol	ND	5.8	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
N-Nitrosodiphenylamine	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
N-Nitrosodi-n-propylamine	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Pentachloronitrobenzene	ND	3.0	mg/Kg dry	4	V-16	SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Pentachlorophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Phenanthrene	13	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Phenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Pyrene	16	1.5	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
Pyridine	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
1,2,4,5-Tetrachlorobenzene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
1,2,4-Trichlorobenzene	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4,5-Trichlorophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR
2,4,6-Trichlorophenol	ND	3.0	mg/Kg dry	4		SW-846 8270D	8/30/13	9/5/13 16:09	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	69.0	30-130		9/5/13 16:09
Phenol-d6	76.7	30-130		9/5/13 16:09
Nitrobenzene-d5	69.3	30-130		9/5/13 16:09
2-Fluorobiphenyl	75.4	30-130		9/5/13 16:09
2,4,6-Tribromophenol	65.7	30-130		9/5/13 16:09
p-Terphenyl-d14	79.6	30-130		9/5/13 16:09

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

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	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	8/30/13	8/30/13 17:52	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.9	30-150		8/30/13 17:52
Decachlorobiphenyl [2]	90.0	30-150		8/30/13 17:52
Tetrachloro-m-xylene [1]	101	30-150		8/30/13 17:52
Tetrachloro-m-xylene [2]	97.9	30-150		8/30/13 17:52

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	410	220	mg/Kg dry	20		CTDEP ETPH	9/3/13	9/4/13 13:53	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	62.3	50-150		9/4/13 13:53

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Barium	36	2.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Chromium	12	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Copper	12	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Lead	14	0.81	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Mercury	ND	0.027	mg/Kg dry	1		SW-846 7471B	9/3/13	9/4/13 13:31	SAJ
Nickel	6.5	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP
Zinc	30	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:01	OP

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287350 Sampled: 8/29/2013 08:50

Sample ID: 13H1143-03

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	91.3		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287410 Sampled: 8/29/2013 12:30

Sample ID: 13H1143-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Acrylonitrile	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Benzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Bromobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Bromodichloromethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Bromomethane	ND	0.011	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:47	MFF
2-Butanone (MEK)	ND	0.044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
n-Butylbenzene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
sec-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
tert-Butylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Carbon Disulfide	ND	0.0066	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Carbon Tetrachloride	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Chlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Chloroethane	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Chloroform	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Chloromethane	ND	0.011	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:47	MFF
2-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
4-Chlorotoluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Dibromomethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,3-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,4-Dichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2-Dichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1-Dichloroethylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
cis-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
trans-1,2-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
2,2-Dichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1-Dichloropropene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
cis-1,3-Dichloropropene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
trans-1,3-Dichloropropene	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Ethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Hexachlorobutadiene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
2-Hexanone (MBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Isopropylbenzene (Cumene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287410 Sampled: 8/29/2013 12:30

Sample ID: 13H1143-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Methylene Chloride	ND	0.022	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 14:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Naphthalene	0.0099	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
n-Propylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Styrene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Tetrachloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Tetrahydrofuran	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Toluene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2,3-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2,4-Trichlorobenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1,1-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1,2-Trichloroethane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Trichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2,3-Trichloropropane	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,2,4-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
1,3,5-Trimethylbenzene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
Vinyl Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
m+p Xylene	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF
o-Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 14:47	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		8/30/13 14:47
Toluene-d8	96.1	70-130		8/30/13 14:47
4-Bromofluorobenzene	89.0	70-130		8/30/13 14:47

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287410 Sampled: 8/29/2013 12:30

Sample ID: 13H1143-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	190	66	mg/Kg dry	5	MS-09	CTDEP ETPH	9/3/13	9/4/13 13:18	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	78.1	50-150		9/4/13 13:18

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287410 Sampled: 8/29/2013 12:30

Sample ID: 13H1143-04

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	75.4		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287411 Sampled: 8/29/2013 12:40

Sample ID: 13H1143-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:15	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
n-Butylbenzene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Carbon Tetrachloride	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:15	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
cis-1,3-Dichloropropene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
trans-1,3-Dichloropropene	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Hexachlorobutadiene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287411 Sampled: 8/29/2013 12:40

Sample ID: 13H1143-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 15:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	112	70-130		8/30/13 15:15
Toluene-d8	95.9	70-130		8/30/13 15:15
4-Bromofluorobenzene	84.8	70-130		8/30/13 15:15

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287411 Sampled: 8/29/2013 12:40

Sample ID: 13H1143-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	45	12	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 15:22	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	56.9	50-150		9/4/13 15:22

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287411 Sampled: 8/29/2013 12:40

Sample ID: 13H1143-05

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	82.5		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

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	L-03	SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Acrylonitrile	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Bromoform	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Bromomethane	ND	0.0062	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:42	MFF
2-Butanone (MEK)	ND	0.025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
n-Butylbenzene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Carbon Disulfide	ND	0.0037	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Carbon Tetrachloride	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Chlorodibromomethane	ND	0.00062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Chloroform	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Chloromethane	ND	0.0062	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:42	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
trans-1,4-Dichloro-2-butene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1-Dichloroethylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,3-Dichloropropane	ND	0.00062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
cis-1,3-Dichloropropene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
trans-1,3-Dichloropropene	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Hexachlorobutadiene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 15:42	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Naphthalene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1,2,2-Tetrachloroethane	ND	0.00062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Tetrachloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Tetrahydrofuran	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Trichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
Vinyl Chloride	ND	0.0062	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
m+p Xylene	ND	0.0025	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 15:42	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		8/30/13 15:42
Toluene-d8	96.2	70-130		8/30/13 15:42
4-Bromofluorobenzene	86.0	70-130		8/30/13 15:42

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

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 8270D	8/30/13	9/5/13 13:34	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

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 8270D	8/30/13	9/5/13 13:34	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 13:34	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	79.5	30-130		9/5/13 13:34
Phenol-d6	75.3	30-130		9/5/13 13:34
Nitrobenzene-d5	79.6	30-130		9/5/13 13:34
2-Fluorobiphenyl	74.1	30-130		9/5/13 13:34
2,4,6-Tribromophenol	68.6	30-130		9/5/13 13:34
p-Terphenyl-d14	75.8	30-130		9/5/13 13:34

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	15	11	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 14:11	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	68.7	50-150		9/4/13 14:11

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287325 Sampled: 8/29/2013 10:10

Sample ID: 13H1143-06

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	90.1		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287326 Sampled: 8/29/2013 10:40

Sample ID: 13H1143-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT | Sample Description: | Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287326 | Sampled: 8/29/2013 10:40

Sample ID: 13H1143-07

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	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:04	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	71.9	30-130		9/5/13 14:04
Phenol-d6	72.0	30-130		9/5/13 14:04
Nitrobenzene-d5	77.9	30-130		9/5/13 14:04
2-Fluorobiphenyl	77.6	30-130		9/5/13 14:04
2,4,6-Tribromophenol	73.1	30-130		9/5/13 14:04
p-Terphenyl-d14	85.6	30-130		9/5/13 14:04

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287326 Sampled: 8/29/2013 10:40

Sample ID: 13H1143-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	11	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 12:43	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	78.9	50-150		9/4/13 12:43

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287326 Sampled: 8/29/2013 10:40

Sample ID: 13H1143-07

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	89.1		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287327 Sampled: 8/29/2013 11:00

Sample ID: 13H1143-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Benzo(a)anthracene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Benzo(b)fluoranthene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Chloroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Chloro-3-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Chrysene	0.36	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Di-n-octylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Fluoranthene	0.25	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2-Methylnaphthalene	0.75	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287327 Sampled: 8/29/2013 11:00

Sample ID: 13H1143-08

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	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Naphthalene	0.29	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
4-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Phenanthrene	0.88	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Pyrene	0.28	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 14:34	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	71.2	30-130		9/5/13 14:34
Phenol-d6	74.4	30-130		9/5/13 14:34
Nitrobenzene-d5	83.7	30-130		9/5/13 14:34
2-Fluorobiphenyl	82.0	30-130		9/5/13 14:34
2,4,6-Tribromophenol	52.6	30-130		9/5/13 14:34
p-Terphenyl-d14	74.3	30-130		9/5/13 14:34

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287327 Sampled: 8/29/2013 11:00

Sample ID: 13H1143-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	450	110	mg/Kg dry	10		CTDEP ETPH	9/3/13	9/4/13 14:29	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	83.9	50-150		9/4/13 14:29

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287327 Sampled: 8/29/2013 11:00

Sample ID: 13H1143-08

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	87.6		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.069	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Acrylonitrile	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Benzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Bromobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Bromodichloromethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Bromoform	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Bromomethane	ND	0.0069	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:10	MFF
2-Butanone (MEK)	ND	0.028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
n-Butylbenzene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
sec-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
tert-Butylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Carbon Disulfide	ND	0.0042	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Carbon Tetrachloride	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Chlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Chlorodibromomethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Chloroethane	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Chloroform	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Chloromethane	ND	0.0069	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:10	MFF
2-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
4-Chlorotoluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2-Dibromoethane (EDB)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Dibromomethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,3-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,4-Dichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
trans-1,4-Dichloro-2-butene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.014	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2-Dichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1-Dichloroethylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
cis-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
trans-1,2-Dichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,3-Dichloropropane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
2,2-Dichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1-Dichloropropene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
cis-1,3-Dichloropropene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
trans-1,3-Dichloropropene	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Ethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Hexachlorobutadiene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
2-Hexanone (MBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Isopropylbenzene (Cumene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Methylene Chloride	ND	0.014	mg/Kg dry	1	V-05, L-03	SW-846 8260C	8/30/13	8/30/13 16:10	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Naphthalene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
n-Propylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Styrene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1,2,2-Tetrachloroethane	ND	0.00069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Tetrachloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Tetrahydrofuran	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Toluene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2,3-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2,4-Trichlorobenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1,1-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1,2-Trichloroethane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Trichloroethylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2,3-Trichloropropane	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,2,4-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
1,3,5-Trimethylbenzene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
Vinyl Chloride	ND	0.0069	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
m+p Xylene	ND	0.0028	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF
o-Xylene	ND	0.0014	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:10	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		8/30/13 16:10
Toluene-d8	95.1	70-130		8/30/13 16:10
4-Bromofluorobenzene	84.1	70-130		8/30/13 16:10

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

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 8270D	8/30/13	9/5/13 15:04	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

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	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 15:04	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.6	30-130		9/5/13 15:04
Phenol-d6	71.3	30-130		9/5/13 15:04
Nitrobenzene-d5	77.4	30-130		9/5/13 15:04
2-Fluorobiphenyl	72.7	30-130		9/5/13 15:04
2,4,6-Tribromophenol	78.5	30-130		9/5/13 15:04
p-Terphenyl-d14	77.2	30-130		9/5/13 15:04

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	22	11	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 12:25	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	65.8	50-150		9/4/13 12:25

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	6.4	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Barium	43	2.8	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Cadmium	ND	0.28	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Chromium	12	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Copper	11	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Lead	11	0.85	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Mercury	0.18	0.028	mg/Kg dry	1		SW-846 7471B	9/3/13	9/4/13 13:32	SAJ
Nickel	6.0	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Selenium	ND	5.7	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP
Zinc	17	1.1	mg/Kg dry	1		SW-846 6010C	8/29/13	8/30/13 11:06	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287345 Sampled: 8/29/2013 11:25

Sample ID: 13H1143-09

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	87.2		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.074	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Acrylonitrile	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Benzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Bromobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Bromodichloromethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Bromoform	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Bromomethane	ND	0.0074	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:37	MFF
2-Butanone (MEK)	ND	0.029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
n-Butylbenzene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
sec-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
tert-Butylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Carbon Disulfide	ND	0.0044	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Carbon Tetrachloride	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Chlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Chlorodibromomethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Chloroethane	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Chloroform	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Chloromethane	ND	0.0074	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:37	MFF
2-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
4-Chlorotoluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Dibromomethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,3-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,4-Dichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.015	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2-Dichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1-Dichloroethylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
cis-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
trans-1,2-Dichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,3-Dichloropropane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
2,2-Dichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1-Dichloropropene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
cis-1,3-Dichloropropene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
trans-1,3-Dichloropropene	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Ethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Hexachlorobutadiene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
2-Hexanone (MBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Isopropylbenzene (Cumene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Methylene Chloride	ND	0.015	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 16:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Naphthalene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
n-Propylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Styrene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.00074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Tetrachloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Tetrahydrofuran	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Toluene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2,3-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2,4-Trichlorobenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1,1-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1,2-Trichloroethane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Trichloroethylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2,3-Trichloropropane	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,2,4-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
1,3,5-Trimethylbenzene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
Vinyl Chloride	ND	0.0074	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
m+p Xylene	ND	0.0029	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF
o-Xylene	ND	0.0015	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 16:37	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		8/30/13 16:37
Toluene-d8	95.3	70-130		8/30/13 16:37
4-Bromofluorobenzene	86.2	70-130		8/30/13 16:37

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Butylbenzylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Chloroaniline	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Chloro-3-methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Chlorophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Dimethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4,6-Dinitro-2-methylphenol	ND	0.39	mg/Kg dry	1	V-19	SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4-Dinitrophenol	ND	0.76	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1	V-20	SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Hexachlorocyclopentadiene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

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	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
3-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Nitroaniline	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
4-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
N-Nitrosodiphenylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
N-Nitrosodi-n-propylamine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Pentachloronitrobenzene	ND	0.39	mg/Kg dry	1	V-16	SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
Pyridine	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270D	8/30/13	9/5/13 12:04	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	99.1	30-130		9/5/13 12:04
Phenol-d6	101	30-130		9/5/13 12:04
Nitrobenzene-d5	108	30-130		9/5/13 12:04
2-Fluorobiphenyl	106	30-130		9/5/13 12:04
2,4,6-Tribromophenol	111	30-130		9/5/13 12:04
p-Terphenyl-d14	103	30-130		9/5/13 12:04

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	12	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 12:43	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	51.9	50-150		9/4/13 12:43

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Barium	24	2.8	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Cadmium	0.30	0.28	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Chromium	15	0.56	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Copper	21	0.56	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Lead	4.9	0.84	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Mercury	0.17	0.029	mg/Kg dry	1		SW-846 7471B	9/3/13	9/4/13 13:34	SAJ
Nickel	5.3	0.56	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Selenium	ND	5.6	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP
Silver	ND	0.56	mg/Kg dry	1		SW-846 6010C	8/30/13	9/4/13 16:22	OP
Zinc	18	1.1	mg/Kg dry	1		SW-846 6010C	8/30/13	9/3/13 20:09	OP

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287398 Sampled: 8/29/2013 11:35

Sample ID: 13H1143-10

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	85.9		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287408 Sampled: 8/29/2013 12:10

Sample ID: 13H1143-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.099	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Acrylonitrile	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Bromomethane	ND	0.0099	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:05	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
n-Butylbenzene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Carbon Disulfide	ND	0.0060	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Carbon Tetrachloride	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Chlorodibromomethane	ND	0.00099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Chloroform	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Chloromethane	ND	0.0099	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:05	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,3-Dichloropropane	ND	0.00099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
cis-1,3-Dichloropropene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
trans-1,3-Dichloropropene	ND	0.0099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Hexachlorobutadiene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287408 Sampled: 8/29/2013 12:10

Sample ID: 13H1143-11

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 17:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Naphthalene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.00099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Tetrahydrofuran	ND	0.0099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
Vinyl Chloride	ND	0.0099	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
m+p Xylene	ND	0.0040	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	112	70-130		8/30/13 17:05
Toluene-d8	96.0	70-130		8/30/13 17:05
4-Bromofluorobenzene	85.6	70-130		8/30/13 17:05

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287408 Sampled: 8/29/2013 12:10

Sample ID: 13H1143-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	66	13	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 15:04	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	57.1	50-150					9/4/13 15:04

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287408 Sampled: 8/29/2013 12:10

Sample ID: 13H1143-11

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	76.3		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287409 Sampled: 8/29/2013 12:20

Sample ID: 13H1143-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Acrylonitrile	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Benzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Bromobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Bromodichloromethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Bromoform	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Bromomethane	ND	0.0098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:32	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
n-Butylbenzene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Carbon Disulfide	ND	0.0059	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Carbon Tetrachloride	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Chlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Chlorodibromomethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Chloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Chloromethane	ND	0.0098	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:32	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2-Dibromoethane (EDB)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Dibromomethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
trans-1,4-Dichloro-2-butene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg dry	1	L-03	SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,3-Dichloropropane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
cis-1,3-Dichloropropene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
trans-1,3-Dichloropropene	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Ethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Hexachlorobutadiene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287409 Sampled: 8/29/2013 12:20

Sample ID: 13H1143-12

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Methylene Chloride	ND	0.020	mg/Kg dry	1	L-03, V-05	SW-846 8260C	8/30/13	8/30/13 17:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
n-Propylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Styrene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.00098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Tetrahydrofuran	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Toluene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Trichloroethylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
Vinyl Chloride	ND	0.0098	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF
o-Xylene	ND	0.0020	mg/Kg dry	1		SW-846 8260C	8/30/13	8/30/13 17:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	111	70-130		8/30/13 17:32
Toluene-d8	94.4	70-130		8/30/13 17:32
4-Bromofluorobenzene	88.7	70-130		8/30/13 17:32

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287409 Sampled: 8/29/2013 12:20

Sample ID: 13H1143-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	35	13	mg/Kg dry	1		CTDEP ETPH	9/3/13	9/4/13 15:40	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	53.8	50-150					9/4/13 15:40

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1143

Date Received: 8/29/2013

Field Sample #: 1287409 Sampled: 8/29/2013 12:20

Sample ID: 13H1143-12

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	78.3		% Wt	1		SM 2540G	9/5/13	9/6/13 9:49	MLA

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-02 [1287349]	B080054	30.6	1.00	09/03/13
13H1143-03 [1287350]	B080054	30.1	1.00	09/03/13
13H1143-04 [1287410]	B080054	30.0	1.00	09/03/13
13H1143-05 [1287411]	B080054	30.1	1.00	09/03/13
13H1143-06 [1287325]	B080054	30.1	1.00	09/03/13
13H1143-07 [1287326]	B080054	30.4	1.00	09/03/13
13H1143-08 [1287327]	B080054	30.2	1.00	09/03/13
13H1143-09 [1287345]	B080054	30.1	1.00	09/03/13
13H1143-10 [1287398]	B080054	30.2	1.00	09/03/13
13H1143-11 [1287408]	B080054	30.4	1.00	09/03/13
13H1143-12 [1287409]	B080054	30.5	1.00	09/03/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1143-02 [1287349]	B080194	09/05/13
13H1143-03 [1287350]	B080194	09/05/13
13H1143-04 [1287410]	B080194	09/05/13
13H1143-05 [1287411]	B080194	09/05/13
13H1143-06 [1287325]	B080194	09/05/13
13H1143-07 [1287326]	B080194	09/05/13
13H1143-08 [1287327]	B080194	09/05/13
13H1143-09 [1287345]	B080194	09/05/13
13H1143-10 [1287398]	B080194	09/05/13
13H1143-11 [1287408]	B080194	09/05/13
13H1143-12 [1287409]	B080194	09/05/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-03 [1287350]	B079853	1.01	50.0	08/29/13
13H1143-09 [1287345]	B079853	1.01	50.0	08/29/13

Prep Method: SW-846 3050B-SW-846 6010C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-02 [1287349]	B079925	1.01	50.0	08/30/13
13H1143-10 [1287398]	B079925	1.05	50.0	08/30/13

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-02 [1287349]	B080021	0.613	50.0	09/03/13
13H1143-03 [1287350]	B080021	0.612	50.0	09/03/13
13H1143-09 [1287345]	B080021	0.617	50.0	09/03/13
13H1143-10 [1287398]	B080021	0.607	50.0	09/03/13

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-02 [1287349]	B079890	10.1	10.0	08/30/13
13H1143-03 [1287350]	B079890	10.3	10.0	08/30/13

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-01 [1287344]	B079923	5.00	10.0	08/30/13
13H1143-02 [1287349]	B079923	9.01	10.0	08/30/13
13H1143-03 [1287350]	B079923	10.8	10.0	08/30/13
13H1143-04 [1287410]	B079923	6.00	10.0	08/30/13
13H1143-05 [1287411]	B079923	6.19	10.0	08/30/13
13H1143-06 [1287325]	B079923	8.98	10.0	08/30/13
13H1143-09 [1287345]	B079923	8.27	10.0	08/30/13
13H1143-10 [1287398]	B079923	7.91	10.0	08/30/13
13H1143-11 [1287408]	B079923	6.60	10.0	08/30/13
13H1143-12 [1287409]	B079923	6.54	10.0	08/30/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1143-02 [1287349]	B079929	30.2	1.00	08/30/13
13H1143-03 [1287350]	B079929	30.0	2.00	08/30/13
13H1143-06 [1287325]	B079929	30.3	1.00	08/30/13
13H1143-07 [1287326]	B079929	30.1	1.00	08/30/13
13H1143-08 [1287327]	B079929	30.2	1.00	08/30/13
13H1143-09 [1287345]	B079929	30.0	1.00	08/30/13
13H1143-10 [1287398]	B079929	30.5	1.00	08/30/13

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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 B079923 - SW-846 5035										
Blank (B079923-BLK1)				Prepared & Analyzed: 08/30/13						
Acetone	ND	0.10	mg/Kg wet							L-03
Acrylonitrile	ND	0.0060	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	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-03
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0040	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	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	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							L-03
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0020	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							
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							L-03
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	0.0040	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.010	mg/Kg wet							
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0040	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							L-03, V-05
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
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							

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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 B079923 - SW-846 5035											
Blank (B079923-BLK1)				Prepared & Analyzed: 08/30/13							
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								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0497*		mg/Kg wet	0.0500		99.4		70-130			
Surrogate: Toluene-d8	*0.0485*		mg/Kg wet	0.0500		97.0		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0442*		mg/Kg wet	0.0500		88.4		70-130			
LCS (B079923-BS1)				Prepared & Analyzed: 08/30/13							
Acetone	0.138	0.10	mg/Kg wet	0.200		**69.2**	*	70-130			L-03
Acrylonitrile	0.0193	0.0060	mg/Kg wet	0.0200		96.5		70-130			
Benzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
Bromobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7		70-130			
Bromodichloromethane	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130			
Bromoform	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
Bromomethane	0.0135	0.010	mg/Kg wet	0.0200		**67.5**	*	70-130			L-03
2-Butanone (MEK)	0.155	0.040	mg/Kg wet	0.200		77.3		70-130			
n-Butylbenzene	0.0229	0.0040	mg/Kg wet	0.0200		114		70-130			
sec-Butylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130			
tert-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
Carbon Disulfide	0.0212	0.0060	mg/Kg wet	0.0200		106		70-130			
Carbon Tetrachloride	0.0247	0.0040	mg/Kg wet	0.0200		123		70-130			
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
Chlorodibromomethane	0.0205	0.0010	mg/Kg wet	0.0200		103		70-130			
Chloroethane	0.0193	0.020	mg/Kg wet	0.0200		96.5		70-130			
Chloroform	0.0222	0.0040	mg/Kg wet	0.0200		111		70-130			
Chloromethane	0.0136	0.010	mg/Kg wet	0.0200		**67.8**	*	70-130			L-03
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
4-Chlorotoluene	0.0209	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0200	0.0040	mg/Kg wet	0.0200		100		70-130			
1,2-Dibromoethane (EDB)	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
Dibromomethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,2-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130			
1,3-Dichlorobenzene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,4-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
trans-1,4-Dichloro-2-butene	0.0176	0.0040	mg/Kg wet	0.0200		87.9		70-130			
Dichlorodifluoromethane (Freon 12)	0.0118	0.020	mg/Kg wet	0.0200		**58.8**	*	70-130			L-03
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dichloroethane	0.0196	0.0020	mg/Kg wet	0.0200		97.9		70-130			
1,1-Dichloroethylene	0.0220	0.0040	mg/Kg wet	0.0200		110		70-130			

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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 B079923 - SW-846 5035											
LCS (B079923-BS1)				Prepared & Analyzed: 08/30/13							
cis-1,2-Dichloroethylene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
trans-1,2-Dichloroethylene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130			
1,2-Dichloropropane	0.0213	0.0020	mg/Kg wet	0.0200		107		70-130			
1,3-Dichloropropane	0.0198	0.0010	mg/Kg wet	0.0200		99.1		70-130			
2,2-Dichloropropane	0.0200	0.0020	mg/Kg wet	0.0200		99.9		70-130			
1,1-Dichloropropene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130			
cis-1,3-Dichloropropene	0.0176	0.0040	mg/Kg wet	0.0200		88.2		70-130			
trans-1,3-Dichloropropene	0.0181	0.010	mg/Kg wet	0.0200		90.4		70-130			
Ethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
Hexachlorobutadiene	0.0214	0.0040	mg/Kg wet	0.0200		107		70-130			
2-Hexanone (MBK)	0.149	0.020	mg/Kg wet	0.200		74.5		70-130			
Isopropylbenzene (Cumene)	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130			
p-Isopropyltoluene (p-Cymene)	0.0235	0.0020	mg/Kg wet	0.0200		118		70-130			
Methyl tert-Butyl Ether (MTBE)	0.0190	0.0040	mg/Kg wet	0.0200		95.2		70-130			
Methylene Chloride	0.00892	0.020	mg/Kg wet	0.0200		**44.6**	*	70-130			L-03, V-05
4-Methyl-2-pentanone (MIBK)	0.157	0.020	mg/Kg wet	0.200		78.7		70-130			
Naphthalene	0.0168	0.0040	mg/Kg wet	0.0200		83.8		70-130			
n-Propylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
Styrene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130			
1,1,1,2-Tetrachloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,1,2,2-Tetrachloroethane	0.0205	0.0010	mg/Kg wet	0.0200		102		70-130			
Tetrachloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		103		70-130			
Tetrahydrofuran	0.0155	0.010	mg/Kg wet	0.0200		77.6		70-130			
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130			
1,2,3-Trichlorobenzene	0.0176	0.0020	mg/Kg wet	0.0200		87.8		70-130			
1,2,4-Trichlorobenzene	0.0175	0.0020	mg/Kg wet	0.0200		87.7		70-130			
1,1,1-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130			
1,1,2-Trichloroethane	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Trichloroethylene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130			
Trichlorofluoromethane (Freon 11)	0.0234	0.010	mg/Kg wet	0.0200		117		70-130			
1,2,3-Trichloropropane	0.0194	0.0020	mg/Kg wet	0.0200		97.1		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0246	0.010	mg/Kg wet	0.0200		123		70-130			
1,2,4-Trimethylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130			
1,3,5-Trimethylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130			
Vinyl Chloride	0.0159	0.010	mg/Kg wet	0.0200		79.7		70-130			
m+p Xylene	0.0428	0.0040	mg/Kg wet	0.0400		107		70-130			
o-Xylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0461*		mg/Kg wet	0.0500		92.2		70-130			
Surrogate: Toluene-d8	*0.0497*		mg/Kg wet	0.0500		99.4		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0475*		mg/Kg wet	0.0500		94.9		70-130			

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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 B079929 - SW-846 3546										
Blank (B079929-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079929 - SW-846 3546											
Blank (B079929-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*6.23*		mg/Kg wet	6.67		93.4	30-130				
Surrogate: Phenol-d6	*6.07*		mg/Kg wet	6.67		91.1	30-130				
Surrogate: Nitrobenzene-d5	*3.10*		mg/Kg wet	3.33		92.9	30-130				
Surrogate: 2-Fluorobiphenyl	*3.11*		mg/Kg wet	3.33		93.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.30*		mg/Kg wet	6.67		94.5	30-130				
Surrogate: p-Terphenyl-d14	*3.33*		mg/Kg wet	3.33		100	30-130				
LCS (B079929-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13							
Acenaphthene	1.60	0.17	mg/Kg wet	1.67		96.2	40-140				
Acenaphthylene	1.59	0.17	mg/Kg wet	1.67		95.3	40-140				
Aniline	1.34	0.34	mg/Kg wet	1.67		80.2	40-140				†
Anthracene	1.64	0.17	mg/Kg wet	1.67		98.4	40-140				
Benzo(a)anthracene	1.69	0.17	mg/Kg wet	1.67		101	40-140				
Benzo(a)pyrene	1.79	0.17	mg/Kg wet	1.67		107	40-140				
Benzo(b)fluoranthene	1.82	0.17	mg/Kg wet	1.67		109	40-140				
Benzo(g,h,i)perylene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140				
Benzo(k)fluoranthene	1.84	0.17	mg/Kg wet	1.67		110	40-140				
Bis(2-chloroethoxy)methane	1.58	0.34	mg/Kg wet	1.67		94.8	40-140				
Bis(2-chloroethyl)ether	1.62	0.34	mg/Kg wet	1.67		97.3	40-140				
Bis(2-chloroisopropyl)ether	1.51	0.34	mg/Kg wet	1.67		90.4	40-140				
Bis(2-Ethylhexyl)phthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140				
4-Bromophenylphenylether	1.68	0.34	mg/Kg wet	1.67		101	40-140				
Butylbenzylphthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140				
Carbazole	1.71	0.17	mg/Kg wet	1.67		102	40-140				
4-Chloroaniline	1.17	0.66	mg/Kg wet	1.67		70.1	40-140				†
4-Chloro-3-methylphenol	1.45	0.66	mg/Kg wet	1.67		87.3	30-130				
2-Chloronaphthalene	1.48	0.34	mg/Kg wet	1.67		88.8	40-140				
2-Chlorophenol	1.52	0.34	mg/Kg wet	1.67		91.3	30-130				
4-Chlorophenylphenylether	1.64	0.34	mg/Kg wet	1.67		98.3	40-140				
Chrysene	1.76	0.17	mg/Kg wet	1.67		106	40-140				
Dibenz(a,h)anthracene	1.42	0.17	mg/Kg wet	1.67		85.0	40-140				
Dibenzofuran	1.53	0.34	mg/Kg wet	1.67		91.6	40-140				
Di-n-butylphthalate	1.86	0.34	mg/Kg wet	1.67		112	40-140				
3,3-Dichlorobenzidine	1.54	0.17	mg/Kg wet	1.67		92.3	40-140				†
2,4-Dichlorophenol	1.52	0.34	mg/Kg wet	1.67		91.2	30-130				
Diethylphthalate	1.67	0.34	mg/Kg wet	1.67		100	40-140				
2,4-Dimethylphenol	1.73	0.34	mg/Kg wet	1.67		104	30-130				
Dimethylphthalate	1.71	0.34	mg/Kg wet	1.67		103	40-140				
4,6-Dinitro-2-methylphenol	1.67	0.34	mg/Kg wet	1.67		100	30-130				

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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 B079929 - SW-846 3546										
LCS (B079929-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
2,4-Dinitrophenol	0.686	0.66	mg/Kg wet	1.67		41.2	30-130			V-19
2,4-Dinitrotoluene	1.68	0.34	mg/Kg wet	1.67		101	40-140			
2,6-Dinitrotoluene	1.74	0.34	mg/Kg wet	1.67		105	40-140			
Di-n-octylphthalate	2.05	0.67	mg/Kg wet	1.67		123	40-140			
Fluoranthene	1.76	0.17	mg/Kg wet	1.67		106	40-140			
Fluorene	1.58	0.17	mg/Kg wet	1.67		94.7	40-140			
Hexachlorobenzene	1.77	0.34	mg/Kg wet	1.67		106	40-140			
Hexachlorobutadiene	1.62	0.34	mg/Kg wet	1.67		97.4	40-140			
Hexachlorocyclopentadiene	1.27	0.34	mg/Kg wet	1.67		76.4	30-140			
Hexachloroethane	1.48	0.34	mg/Kg wet	1.67		88.5	40-140			
Indeno(1,2,3-cd)pyrene	1.41	0.17	mg/Kg wet	1.67		84.3	40-140			
Isophorone	1.55	0.34	mg/Kg wet	1.67		92.9	40-140			
2-Methylnaphthalene	1.51	0.17	mg/Kg wet	1.67		90.7	40-140			
2-Methylphenol	1.52	0.34	mg/Kg wet	1.67		91.4	30-130			
3/4-Methylphenol	1.28	0.34	mg/Kg wet	1.67		76.7	30-130			
Naphthalene	1.50	0.17	mg/Kg wet	1.67		90.3	40-140			
2-Nitroaniline	1.34	0.34	mg/Kg wet	1.67		80.3	40-140			
3-Nitroaniline	1.40	0.34	mg/Kg wet	1.67		84.0	40-140			†
4-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			
Nitrobenzene	1.45	0.34	mg/Kg wet	1.67		86.9	40-140			
2-Nitrophenol	1.68	0.34	mg/Kg wet	1.67		101	30-130			
4-Nitrophenol	1.37	0.66	mg/Kg wet	1.67		82.0	10-130			
N-Nitrosodiphenylamine	1.98	0.34	mg/Kg wet	1.67		119	40-140			
N-Nitrosodi-n-propylamine	1.45	0.34	mg/Kg wet	1.67		87.2	40-140			
Pentachloronitrobenzene	1.89	0.34	mg/Kg wet	1.67		114	40-140			V-16
Pentachlorophenol	1.46	0.34	mg/Kg wet	1.67		87.8	30-130			
Phenanthrene	1.65	0.17	mg/Kg wet	1.67		99.0	40-140			
Phenol	1.47	0.34	mg/Kg wet	1.67		88.3	20-130			
Pyrene	1.66	0.17	mg/Kg wet	1.67		99.7	40-140			
Pyridine	1.18	0.34	mg/Kg wet	1.67		70.8	10-140			†
1,2,4,5-Tetrachlorobenzene	1.63	0.34	mg/Kg wet	1.67		97.8	40-140			
1,2,4-Trichlorobenzene	1.59	0.34	mg/Kg wet	1.67		95.2	40-140			
2,4,5-Trichlorophenol	1.40	0.34	mg/Kg wet	1.67		83.9	30-130			
2,4,6-Trichlorophenol	1.55	0.34	mg/Kg wet	1.67		92.9	30-130			
Surrogate: 2-Fluorophenol	*6.20*		mg/Kg wet	6.67		93.1	30-130			
Surrogate: Phenol-d6	*5.82*		mg/Kg wet	6.67		87.3	30-130			
Surrogate: Nitrobenzene-d5	*3.07*		mg/Kg wet	3.33		92.1	30-130			
Surrogate: 2-Fluorobiphenyl	*3.07*		mg/Kg wet	3.33		92.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.37*		mg/Kg wet	6.67		111	30-130			
Surrogate: p-Terphenyl-d14	*3.55*		mg/Kg wet	3.33		107	30-130			
LCS Dup (B079929-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Acenaphthene	1.66	0.17	mg/Kg wet	1.67		99.6	40-140	3.55	30	
Acenaphthylene	1.64	0.17	mg/Kg wet	1.67		98.6	40-140	3.34	30	
Aniline	1.42	0.34	mg/Kg wet	1.67		85.3	40-140	6.09	50	† ‡
Anthracene	1.73	0.17	mg/Kg wet	1.67		104	40-140	5.38	30	
Benzo(a)anthracene	1.75	0.17	mg/Kg wet	1.67		105	40-140	3.53	30	
Benzo(a)pyrene	1.85	0.17	mg/Kg wet	1.67		111	40-140	3.30	30	
Benzo(b)fluoranthene	1.86	0.17	mg/Kg wet	1.67		112	40-140	1.88	30	
Benzo(g,h,i)perylene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140	13.9	30	
Benzo(k)fluoranthene	1.92	0.17	mg/Kg wet	1.67		115	40-140	4.01	30	
Bis(2-chloroethoxy)methane	1.67	0.34	mg/Kg wet	1.67		100	40-140	5.42	30	

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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 B079929 - SW-846 3546										
LCS Dup (B079929-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Bis(2-chloroethyl)ether	1.72	0.34	mg/Kg wet	1.67		103	40-140	5.90	30	
Bis(2-chloroisopropyl)ether	1.62	0.34	mg/Kg wet	1.67		97.2	40-140	7.16	30	
Bis(2-Ethylhexyl)phthalate	1.82	0.34	mg/Kg wet	1.67		109	40-140	3.72	30	
4-Bromophenylphenylether	1.77	0.34	mg/Kg wet	1.67		106	40-140	5.45	30	
Butylbenzylphthalate	1.80	0.34	mg/Kg wet	1.67		108	40-140	2.87	30	
Carbazole	1.76	0.17	mg/Kg wet	1.67		105	40-140	2.98	30	
4-Chloroaniline	1.25	0.66	mg/Kg wet	1.67		74.9	40-140	6.65	30	†
4-Chloro-3-methylphenol	1.48	0.66	mg/Kg wet	1.67		88.5	30-130	1.43	30	
2-Chloronaphthalene	1.54	0.34	mg/Kg wet	1.67		92.6	40-140	4.17	30	
2-Chlorophenol	1.60	0.34	mg/Kg wet	1.67		96.3	30-130	5.35	30	
4-Chlorophenylphenylether	1.69	0.34	mg/Kg wet	1.67		101	40-140	3.16	30	
Chrysene	1.83	0.17	mg/Kg wet	1.67		110	40-140	3.95	30	
Dibenz(a,h)anthracene	1.35	0.17	mg/Kg wet	1.67		80.9	40-140	4.89	30	
Dibenzofuran	1.57	0.34	mg/Kg wet	1.67		94.1	40-140	2.76	30	
Di-n-butylphthalate	1.91	0.34	mg/Kg wet	1.67		115	40-140	2.60	30	
3,3-Dichlorobenzidine	1.66	0.17	mg/Kg wet	1.67		99.8	40-140	7.75	30	† ‡
2,4-Dichlorophenol	1.61	0.34	mg/Kg wet	1.67		96.5	30-130	5.63	30	
Diethylphthalate	1.69	0.34	mg/Kg wet	1.67		101	40-140	0.991	30	
2,4-Dimethylphenol	1.83	0.34	mg/Kg wet	1.67		110	30-130	5.75	30	
Dimethylphthalate	1.75	0.34	mg/Kg wet	1.67		105	40-140	2.17	50	
4,6-Dinitro-2-methylphenol	1.80	0.34	mg/Kg wet	1.67		108	30-130	7.20	50	
2,4-Dinitrophenol	0.703	0.66	mg/Kg wet	1.67		42.2	30-130	2.40	50	V-19
2,4-Dinitrotoluene	1.68	0.34	mg/Kg wet	1.67		101	40-140	0.0398	30	
2,6-Dinitrotoluene	1.78	0.34	mg/Kg wet	1.67		107	40-140	1.86	30	
Di-n-octylphthalate	1.95	0.67	mg/Kg wet	1.67		117	40-140	5.06	30	
Fluoranthene	1.81	0.17	mg/Kg wet	1.67		108	40-140	2.54	30	
Fluorene	1.62	0.17	mg/Kg wet	1.67		96.9	40-140	2.30	30	
Hexachlorobenzene	1.85	0.34	mg/Kg wet	1.67		111	40-140	4.40	30	
Hexachlorobutadiene	1.74	0.34	mg/Kg wet	1.67		104	40-140	6.86	30	
Hexachlorocyclopentadiene	1.33	0.34	mg/Kg wet	1.67		79.6	30-140	4.13	50	
Hexachloroethane	1.60	0.34	mg/Kg wet	1.67		96.1	40-140	8.28	50	
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	10.4	50	
Isophorone	1.64	0.34	mg/Kg wet	1.67		98.3	40-140	5.73	30	
2-Methylnaphthalene	1.57	0.17	mg/Kg wet	1.67		94.1	40-140	3.74	30	
2-Methylphenol	1.59	0.34	mg/Kg wet	1.67		95.7	30-130	4.62	30	
3/4-Methylphenol	1.52	0.34	mg/Kg wet	1.67		91.4	30-130	17.5	30	
Naphthalene	1.58	0.17	mg/Kg wet	1.67		95.0	40-140	5.07	30	
2-Nitroaniline	1.36	0.34	mg/Kg wet	1.67		81.4	40-140	1.36	30	
3-Nitroaniline	1.44	0.34	mg/Kg wet	1.67		86.7	40-140	3.16	30	†
4-Nitroaniline	1.27	0.34	mg/Kg wet	1.67		76.2	40-140	0.0787	30	
Nitrobenzene	1.47	0.34	mg/Kg wet	1.67		88.4	40-140	1.67	30	
2-Nitrophenol	1.75	0.34	mg/Kg wet	1.67		105	30-130	4.06	30	
4-Nitrophenol	1.33	0.66	mg/Kg wet	1.67		79.7	10-130	2.80	50	‡
N-Nitrosodiphenylamine	2.06	0.34	mg/Kg wet	1.67		124	40-140	3.76	30	
N-Nitrosodi-n-propylamine	1.56	0.34	mg/Kg wet	1.67		93.5	40-140	6.91	30	
Pentachloronitrobenzene	1.94	0.34	mg/Kg wet	1.67		116	40-140	2.40	30	V-16
Pentachlorophenol	1.59	0.34	mg/Kg wet	1.67		95.6	30-130	8.50	50	
Phenanthrene	1.72	0.17	mg/Kg wet	1.67		103	40-140	3.94	30	
Phenol	1.56	0.34	mg/Kg wet	1.67		93.8	20-130	6.04	30	
Pyrene	1.73	0.17	mg/Kg wet	1.67		104	40-140	3.91	30	
Pyridine	1.27	0.34	mg/Kg wet	1.67		76.1	10-140	7.22	50	†
1,2,4,5-Tetrachlorobenzene	1.68	0.34	mg/Kg wet	1.67		101	40-140	3.18	30	

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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 B079929 - SW-846 3546										
LCS Dup (B079929-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
1,2,4-Trichlorobenzene	1.66	0.34	mg/Kg wet	1.67		99.4	40-140	4.29	30	
2,4,5-Trichlorophenol	1.50	0.34	mg/Kg wet	1.67		89.9	30-130	6.97	30	
2,4,6-Trichlorophenol	1.60	0.34	mg/Kg wet	1.67		95.7	30-130	2.99	50	
Surrogate: 2-Fluorophenol	*6.20*		mg/Kg wet	6.67		92.9	30-130			
Surrogate: Phenol-d6	*5.79*		mg/Kg wet	6.67		86.8	30-130			
Surrogate: Nitrobenzene-d5	*3.01*		mg/Kg wet	3.33		90.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.95*		mg/Kg wet	3.33		88.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.89*		mg/Kg wet	6.67		103	30-130			
Surrogate: p-Terphenyl-d14	*3.45*		mg/Kg wet	3.33		104	30-130			

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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 B079890 - SW-846 3546										
Blank (B079890-BLK1)				Prepared & Analyzed: 08/30/13						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.198*		mg/Kg wet	0.200		98.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		96.0	30-150			
LCS (B079890-BS1)				Prepared & Analyzed: 08/30/13						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		105	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140			
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg wet	0.200		99.2	30-150			
LCS Dup (B079890-BSD1)				Prepared & Analyzed: 08/30/13						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		94.9	40-140	10.2	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		89.8	40-140	12.6	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		95.3	40-140	11.0	30	
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		93.8	40-140	10.8	30	
Surrogate: Decachlorobiphenyl	*0.192*		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.183*		mg/Kg wet	0.200		91.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg wet	0.200		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.178*		mg/Kg wet	0.200		88.8	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B080054 - SW-846 3546											
Blank (B080054-BLK1)				Prepared: 09/03/13 Analyzed: 09/04/13							
CT ETPH	ND	10	mg/Kg wet								
Surrogate: o-Terphenyl	*2.24*		mg/Kg wet	3.33		67.3		50-150			
LCS (B080054-BS1)				Prepared: 09/03/13 Analyzed: 09/04/13							
CT ETPH	25.8	10	mg/Kg wet	33.3		77.4		60-120			
Surrogate: o-Terphenyl	*2.29*		mg/Kg wet	3.33		68.7		50-150			
LCS Dup (B080054-BSD1)				Prepared: 09/03/13 Analyzed: 09/04/13							
CT ETPH	22.7	10	mg/Kg wet	33.3		68.0		60-120	12.9	30	
Surrogate: o-Terphenyl	*2.32*		mg/Kg wet	3.33		69.7		50-150			
Matrix Spike (B080054-MS1)	**Source: 13H1143-04**			Prepared: 09/03/13 Analyzed: 09/04/13							
CT ETPH	195	66	mg/Kg dry	44.2	195	**-0.605**	*	50-150			MS-09
Surrogate: o-Terphenyl	*2.60*		mg/Kg dry	4.42		58.8		50-150			
Matrix Spike Dup (B080054-MSD1)	**Source: 13H1143-04**			Prepared: 09/03/13 Analyzed: 09/04/13							
CT ETPH	195	66	mg/Kg dry	44.2	195	**-0.433**	*	50-150	0.0389	30	MS-09
Surrogate: o-Terphenyl	*2.47*		mg/Kg dry	4.42		55.8		50-150			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079853 - SW-846 3050B										
Blank (B079853-BLK1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							
LCS (B079853-BS1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	198	5.0	mg/Kg wet	182		109	83-117.6			
Barium	154	5.0	mg/Kg wet	143		107	83.2-117.5			
Cadmium	65.4	0.50	mg/Kg wet	60.4		108	83.1-116.9			
Chromium	133	0.99	mg/Kg wet	125		106	81.6-117.6			
Copper	81.9	0.99	mg/Kg wet	80.1		102	83.8-116.1			
Lead	140	1.5	mg/Kg wet	136		103	82.4-117.8			
Nickel	131	0.99	mg/Kg wet	128		102	84.4-115.6			
Selenium	85.8	9.9	mg/Kg wet	85.9		99.8	80-120			
Silver	57.7	0.99	mg/Kg wet	61.3		94.2	66.2-133.8			
Zinc	213	2.0	mg/Kg wet	204		104	81.9-117.6			
LCS Dup (B079853-BSD1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Arsenic	194	5.0	mg/Kg wet	182		107	83-117.6	1.64	30	
Barium	146	5.0	mg/Kg wet	143		102	83.2-117.5	4.87	30	
Cadmium	63.4	0.50	mg/Kg wet	60.4		105	83.1-116.9	3.10	30	
Chromium	130	1.0	mg/Kg wet	125		104	81.6-117.6	2.56	30	
Copper	80.5	1.0	mg/Kg wet	80.1		101	83.8-116.1	1.66	30	
Lead	135	1.5	mg/Kg wet	136		99.5	82.4-117.8	3.14	30	
Nickel	128	1.0	mg/Kg wet	128		99.6	84.4-115.6	2.72	30	
Selenium	84.8	10	mg/Kg wet	85.9		98.7	80-120	1.16	30	
Silver	55.7	1.0	mg/Kg wet	61.3		90.9	66.2-133.8	3.59	30	
Zinc	208	2.0	mg/Kg wet	204		102	81.9-117.6	2.10	30	
MRL Check (B079853-MRL1)				Prepared: 08/29/13 Analyzed: 08/30/13						
Lead	0.811	0.71	mg/Kg wet	0.712		114	80-120			
Batch B079925 - SW-846 3050B										
Blank (B079925-BLK1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Copper	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							
Zinc	ND	1.0	mg/Kg wet							

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B079925 - SW-846 3050B										
LCS (B079925-BS1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Arsenic	182	5.0	mg/Kg wet	182		99.8	83-117.6			
Barium	146	5.0	mg/Kg wet	143		102	83.2-117.5			
Cadmium	63.2	0.50	mg/Kg wet	60.4		105	83.1-116.9			
Chromium	129	1.0	mg/Kg wet	125		103	81.6-117.6			
Copper	84.4	1.0	mg/Kg wet	80.1		105	83.8-116.1			
Lead	123	1.5	mg/Kg wet	136		90.6	82.4-117.8			
Nickel	126	1.0	mg/Kg wet	128		98.4	84.4-115.6			
Selenium	86.5	10	mg/Kg wet	85.9		101	80-120			
Silver	63.5	1.0	mg/Kg wet	61.3		104	66.2-133.8			
Zinc	196	2.0	mg/Kg wet	204		96.3	81.9-117.6			
LCS Dup (B079925-BSD1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Arsenic	185	5.0	mg/Kg wet	182		102	83-117.6	2.03	30	
Barium	145	5.0	mg/Kg wet	143		101	83.2-117.5	0.694	30	
Cadmium	63.9	0.50	mg/Kg wet	60.4		106	83.1-116.9	1.10	30	
Chromium	131	1.0	mg/Kg wet	125		105	81.6-117.6	2.03	30	
Copper	85.3	1.0	mg/Kg wet	80.1		107	83.8-116.1	1.14	30	
Lead	127	1.5	mg/Kg wet	136		93.2	82.4-117.8	2.83	30	
Nickel	126	1.0	mg/Kg wet	128		98.4	84.4-115.6	0.00214	30	
Selenium	86.5	10	mg/Kg wet	85.9		101	80-120	0.0538	30	
Silver	63.0	1.0	mg/Kg wet	61.3		103	66.2-133.8	0.898	30	
Zinc	201	2.0	mg/Kg wet	204		98.3	81.9-117.6	2.07	30	
MRL Check (B079925-MRL1)				Prepared: 08/30/13 Analyzed: 09/03/13						
Lead	0.675	0.71	mg/Kg wet	0.708		95.2	80-120			
Batch B080021 - SW-846 7471										
Blank (B080021-BLK1)				Prepared: 09/03/13 Analyzed: 09/04/13						
Mercury	ND	0.025	mg/Kg wet							
LCS (B080021-BS1)				Prepared: 09/03/13 Analyzed: 09/04/13						
Mercury	3.59	0.33	mg/Kg wet	4.05		88.6	71.6-128.1			
LCS Dup (B080021-BSD1)				Prepared: 09/03/13 Analyzed: 09/04/13						
Mercury	3.76	0.33	mg/Kg wet	4.05		92.9	71.6-128.1	4.72	30	
Duplicate (B080021-DUP1)	**Source: 13H1143-02**			Prepared: 09/03/13 Analyzed: 09/04/13						
Mercury	ND	0.027	mg/Kg dry		ND			NC	35	
Matrix Spike (B080021-MS1)	**Source: 13H1143-02**			Prepared: 09/03/13 Analyzed: 09/04/13						
Mercury	0.185	0.027	mg/Kg dry	0.177	0.00993	98.5	75-125			

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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.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low 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. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 6010C in Soil	
Arsenic	CT,NH,NY,ME,NC,VA
Barium	CT,NH,NY,ME,NC,VA
Cadmium	CT,NH,NY,ME,NC,VA
Chromium	CT,NH,NY,ME,NC,VA
Copper	CT,NH,NY,ME,NC,VA
Lead	CT,NH,NY,AIHA,ME,NC,VA
Nickel	CT,NH,NY,ME,NC,VA
Selenium	CT,NH,NY,ME,NC,VA
Silver	CT,NH,NY,ME,NC,VA
Zinc	CT,NH,NY,ME,NC,VA
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Hexachlorocyclopentadiene	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
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

13H1143

Rev 04.05.12

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Company Name: Loureiro Eng. Assoc. Telephone: 860 410 6181

Address: 100 Northwest Dr Project # 18HM301.006

Plainville CT Client PO#

Attention: Dan Hagen

Project Location: Orul School Rd Mystic CT

Sampled By: DN

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ☑ EMAIL ○ WEBSITE
Fax #
Email: DJHagen@loureiro.com
Format: ☑ PDF ○ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	PCB's	RCRA 8 Cu,Ni,Zn	Pesticides 8081	Hold								
-01	1287344	8/29/13	0838		✓	S		✓														
-02	1287349		0830		✓	S		✓	✓	✓	✓	✓										
-03	1287350		0850		✓	S		✓	✓	✓	✓	✓										
-04	1287410		1230		✓	S		✓		✓												
-05	1287411		1240		✓	S		✓		✓												
-06	1287325		1010		✓	S		✓	✓	✓												
-07	1287326		1040		✓	S			✓	✓												
-08	1287327		1100		✓	S			✓	✓												
-09	1287345		1125		✓	S		✓	✓	✓		✓										
-10	1287348	↓	1135		✓	S		✓	✓	✓		✓										

# of Containers
** Preservation
***Container Code

ANALYSIS REQUESTED

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 bisulf
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

Comments:

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)	8/29/13	Date/Time: 1730
Received by: (signature)	8/29/13	Date/Time: 1730
Relinquished by: (signature)	8/29/13	Date/Time: 1730
Received by: (signature)	8-29-13	Date/Time: 17:30

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ___
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
☑ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

13H1143

Rev 04.05.12

Company Name: Loureiro Eng. Assoc.
Address: 100 Northwest Dr
Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project # 18HM301.006
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax # DJHagen@loureiro.com
Email:
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOC's 8260	SVOC's 8270	CT ETPH	PCBs	RCRA 8 Cu, Ni, Zn	Pesticides 8081	Hold				
-11	1287408	8/29/13	1210		✓	S		✓		✓								
-12	1287409	8/29/3	1220		✓	S		✓		✓								

# of Containers
** Preservation
***Container Cod

Dissolved Meta
○ 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 bisulfa
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

Comments:

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)	8/29/13	Date/Time: 2:30
Received by: (signature)	8/29/13	Date/Time: 2:30
Relinquished by: (signature)	8/29/13	Date/Time: 5:30
Received by: (signature)	8-29-13	Date/Time: 17:30

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____

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WBE/DBE Certified

†† 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.

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Sample Receipt Checklist

CLIENT NAME: LEA **RECEIVED BY:** KQB **DATE:** 8-29-13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
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 _____ Temperature °C by Temp gun 4.3 C
5) **Are there Dissolved samples for the lab to filter?** **Yes** (No)
   Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** (No)
   Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19
   Permission to subcontract samples? Yes No
   (Walk-in clients only) if not already approved
   Client Signature: _____
8) **Do all samples have the proper Acid pH:** **Yes** **No** (N/A)
9) **Do all samples have the proper Base pH:** **Yes** **No** (N/A)
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** **No** (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	15
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	30	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 10
Bisulfate _____ # DI Water 20
Thiosulfate _____

Time and Date Frozen:

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/4/13
Data File Name	A0904018.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	514700	485215	6
c - 10	1.56	534014	485215	10
c - 12	2.30	511790	485215	5
c - 14	2.97	499351	485215	3
c - 16	3.58	481291	485215	-1
c - 18	4.19	481808	485215	-1
o-Terphenyl	4.47	670628	485215	
c - 20	4.81	477608	485215	-2
c - 22	5.32	484249	485215	0
c - 24	5.76	496353	485215	2
c - 26	6.16	503068	485215	4
c - 28	6.52	490413	485215	1
c - 30	6.86	476210	485215	-2
c - 32	7.17	458157	485215	-6
c - 34	7.47	446825	485215	-8
c - 36	7.78	422393	485215	-13

* One compound allowed %D </= 50%

Samples

13H1143-09
13H1143-07
13H1143-04@5X
13H1143-06
13H1143-08@10X
13H1143-11
13H1143-05
13H1143-12

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/4/13
Data File Name	A0904019.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.24	403256	409681	-2
c - 10	1.59	423980	409681	3
c - 12	2.31	417766	409681	2
c - 14	2.98	421219	409681	3
c - 16	3.57	416446	409681	2
c - 18	4.17	422629	409681	3
o-Terphenyl	4.45	567549	409681	
c - 20	4.78	416545	409681	2
c - 22	5.29	413075	409681	1
c - 24	5.73	409648	409681	0
c - 26	6.12	406734	409681	-1
c - 28	6.48	402195	409681	-2
c - 30	6.82	403334	409681	-2
c - 32	7.13	395495	409681	-3
c - 34	7.42	395958	409681	-3
c - 36	7.72	396932	409681	-3

* One compound allowed %D </= 50%

Samples

13H1143-10
13H1143-02@5X
13H1143-03@20X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: 240 Oral School Road, Mystic CT

Project Number: 13H1143

Laboratory Sample ID(s):

13H1143-01 thru 13H1143-12

Sample Date(s):

08/29/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 6010C, SW-846 7471B, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 09/11/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 9, 2013

Dan Hagen
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: 240 Oral School Road, Mystic CT
Client Job Number:
Project Number: 18HM301.006
Laboratory Work Order Number: 13H1191

Enclosed are results of analyses for samples received by the laboratory on August 30, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/9/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1191

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287473	13H1191-01	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	
1287469	13H1191-02	Equipment Blank Water		CTDEP ETPH	
				SW-846 8082A	
				SW-846 8270D	
1287472	13H1191-03	Trip Blank Water		SW-846 8260C	
1287471	13H1191-04	Trip Blank Water		SW-846 8260C	
1287455	13H1191-05	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287454	13H1191-06	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287453	13H1191-07	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287452	13H1191-08	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287451	13H1191-09	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287450	13H1191-10	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287449	13H1191-11	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	
1287448	13H1191-12	Soil		CTDEP ETPH	
				SM 2540G	
				SW-846 8082A	
				SW-846 8270D	

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Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Dan Hagen

REPORT DATE: 9/9/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H1191

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287447	13H1191-13	Soil		CTDEP ETPH SM 2540G SW-846 8082A SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260C

Qualifications:

Laboratory fortified blank /laboratory control sample 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.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

B080009-BS1

Laboratory fortified blank/laboratory control sample recovery is 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, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane (DBCP), Naphthalene

13H1191-04[1287471], B079992-BLK1, B079992-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased 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), Naphthalene

13H1191-04[1287471], B079992-BLK1, B079992-BS1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Tetrahydrofuran

13H1191-03[1287472], B080009-BLK1, B080009-BS1

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:

Dichlorodifluoromethane (Freon 12)

B080009-BS1

SW-846 8270D

Qualifications:

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

13H1191-10RE1[1287450], 13H1191-12RE1[1287448]

Reported result is estimated. Value reported over verified calibration range.

Analyte & Samples(s) Qualified:

Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Fluoranthene, Phenanthrene, Pyrene

13H1191-10[1287450], 13H1191-12[1287448]

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

13H1191-05[1287455], 13H1191-06[1287454], 13H1191-07[1287453], 13H1191-08[1287452], 13H1191-09[1287451], 13H1191-10[1287450], 13H1191-10RE1[1287450], 13H1191-11[1287449], 13H1191-12[1287448], 13H1191-12RE1[1287448], 13H1191-13[1287447], B079986-BLK1, B079986-BS1, B079986-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:

N-Nitrosodiphenylamine

B080086-BSD2

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:

1,2,4,5-Tetrachlorobenzene, 2,4,5-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylphenol, 2-Nitroaniline, 3,3-Dichlorobenzidine, 3/4-Methylphenol, 3-Nitroaniline, 4-Bromophenylphenylether, 4-Chloro-3-methylphenol, 4-Chloroaniline, 4-Chlorophenylphenylether, 4-Nitroaniline, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Bis(2-Ethylhexyl)phthalate, Butylbenzylphthalate, Carbazole, Chrysene, Dibenz(a,h)anthracene, Dibenzofuran, Fluoranthene, Fluorene, N-Nitrosodiphenylamine, Phenanthrene, Phenol, Pyrene

13H1191-01[1287473], 13H1191-02[1287469], B080086-BLK1, B080086-BS2, B080086-BSD2

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

B080086-BLK1, B080086-BSD2

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

4-Nitrophenol

13H1191-01[1287473], 13H1191-02[1287469], B080086-BLK1, B080086-BS2, B080086-BSD2

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13H1191-01[1287473], 13H1191-02[1287469], 13H1191-05[1287455], 13H1191-06[1287454], 13H1191-07[1287453], 13H1191-08[1287452], 13H1191-09[1287451], 13H1191-10[1287450], 13H1191-10RE1[1287450], 13H1191-11[1287449], 13H1191-12[1287448], 13H1191-12RE1[1287448], 13H1191-13[1287447], B079986-BLK1, B079986-BS1, B079986-BSD1, B080086-BLK1, B080086-BS2, B080086-BSD2

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, 4,6-Dinitro-2-methylphenol

13H1191-01[1287473], 13H1191-02[1287469], B079986-BLK1, B079986-BS1, B079986-BSD1, B080086-BLK1, B080086-BS2, B080086-BSD2, 13H1191-05[1287455], 13H1191-06[1287454], 13H1191-07[1287453], 13H1191-08[1287452], 13H1191-09[1287451], 13H1191-10[1287450], 13H1191-10RE1[1287450], 13H1191-11[1287449], 13H1191-12[1287448], 13H1191-12RE1[1287448], 13H1191-13[1287447]

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:

2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4-Nitrophenol

13H1191-06[1287454], 13H1191-07[1287453], 13H1191-08[1287452], 13H1191-10RE1[1287450], 13H1191-12RE1[1287448]

---

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SW-846 8260C

All water reporting limits specified on the chain-of-custody were met except for Acrylonitrile, where the most protective criteria are not met since the laboratory cannot achieve the required RCP calibration criteria at these levels, unless otherwise listed in this narrative.

SW-846 8270D

The LCS sample recoveries for required RCP 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 – limits between 10 and 150% depending on the compound (see QC summary for limits): Benzoic Acid, Dimethylphthalate, Bis(2-chloroisopropyl)ether, Hexachlorocyclopentadiene, Pyridine, 4-Nitrophenol, and Phenol.

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287473 Sampled: 8/30/2013 13:00

Sample ID: 13H1191-01

Sample Matrix: Equipment Blank 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	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Acenaphthylene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Aniline	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Benzo(a)anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Benzo(a)pyrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Benzo(b)fluoranthene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Benzo(g,h,i)perylene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Bromophenylphenylether	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Butylbenzylphthalate	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Carbazole	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Chloroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Chloro-3-methylphenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2-Chloronaphthalene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Chlorophenylphenylether	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Chrysene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Dibenz(a,h)anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Dibenzofuran	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
3,3-Dichlorobenzidine	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4-Dichlorophenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-19	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4-Dinitrotoluene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,6-Dinitrotoluene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Fluoranthene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Fluorene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287473 Sampled: 8/30/2013 13:00

Sample ID: 13H1191-01

Sample Matrix: Equipment Blank 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	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
3/4-Methylphenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Naphthalene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
3-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
4-Nitrophenol	ND	10	µg/L	1	V-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
N-Nitrosodiphenylamine	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Phenanthrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Phenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Pyrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4,5-Trichlorophenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 15:33	CMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 15:33	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	54.8	15-110		9/5/13 15:33
Phenol-d6	42.4	15-110		9/5/13 15:33
Nitrobenzene-d5	89.1	30-130		9/5/13 15:33
2-Fluorobiphenyl	85.7	30-130		9/5/13 15:33
2,4,6-Tribromophenol	105	15-110		9/5/13 15:33
p-Terphenyl-d14	97.5	30-130		9/5/13 15:33

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287473 Sampled: 8/30/2013 13:00

Sample ID: 13H1191-01

Sample Matrix: Equipment Blank 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 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:04	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.2	30-150		9/5/13 20:04
Decachlorobiphenyl [2]	100	30-150		9/5/13 20:04
Tetrachloro-m-xylene [1]	75.8	30-150		9/5/13 20:04
Tetrachloro-m-xylene [2]	80.4	30-150		9/5/13 20:04

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287473 Sampled: 8/30/2013 13:00

Sample ID: 13H1191-01

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/6/13	9/9/13 12:07	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	66.1	50-150				9/9/13 12:07	

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287469 Sampled: 8/30/2013 13:01

Sample ID: 13H1191-02

Sample Matrix: Equipment Blank 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	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Acenaphthylene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Aniline	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Benzo(a)anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Benzo(a)pyrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Benzo(b)fluoranthene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Benzo(g,h,i)perylene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Benzo(k)fluoranthene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Bis(2-chloroethoxy)methane	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Bis(2-chloroethyl)ether	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Bis(2-chloroisopropyl)ether	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Bis(2-Ethylhexyl)phthalate	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Bromophenylphenylether	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Butylbenzylphthalate	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Carbazole	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Chloroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Chloro-3-methylphenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2-Chloronaphthalene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2-Chlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Chlorophenylphenylether	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Chrysene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Dibenz(a,h)anthracene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Dibenzofuran	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Di-n-butylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
3,3-Dichlorobenzidine	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4-Dichlorophenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Diethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4-Dimethylphenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Dimethylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4,6-Dinitro-2-methylphenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4-Dinitrophenol	ND	10	µg/L	1	V-19	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4-Dinitrotoluene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,6-Dinitrotoluene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Di-n-octylphthalate	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Fluoranthene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Fluorene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Hexachlorobenzene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Hexachlorobutadiene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Hexachlorocyclopentadiene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Hexachloroethane	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Indeno(1,2,3-cd)pyrene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Isophorone	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2-Methylnaphthalene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287469 Sampled: 8/30/2013 13:01

Sample ID: 13H1191-02

Sample Matrix: Equipment Blank 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	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
3/4-Methylphenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Naphthalene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
3-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Nitroaniline	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Nitrobenzene	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2-Nitrophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
4-Nitrophenol	ND	10	µg/L	1	V-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
N-Nitrosodiphenylamine	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
N-Nitrosodi-n-propylamine	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Pentachloronitrobenzene	ND	10	µg/L	1	V-16	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Pentachlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Phenanthrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Phenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Pyrene	ND	5.0	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
Pyridine	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
1,2,4-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4,5-Trichlorophenol	ND	10	µg/L	1	R-05	SW-846 8270D	9/4/13	9/5/13 16:05	CMR
2,4,6-Trichlorophenol	ND	10	µg/L	1		SW-846 8270D	9/4/13	9/5/13 16:05	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	50.4	15-110		9/5/13 16:05
Phenol-d6	40.5	15-110		9/5/13 16:05
Nitrobenzene-d5	82.9	30-130		9/5/13 16:05
2-Fluorobiphenyl	80.5	30-130		9/5/13 16:05
2,4,6-Tribromophenol	100	15-110		9/5/13 16:05
p-Terphenyl-d14	96.6	30-130		9/5/13 16:05

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287469 Sampled: 8/30/2013 13:01

Sample ID: 13H1191-02

Sample Matrix: Equipment Blank 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 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	9/3/13	9/5/13 20:17	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	71.3	30-150		9/5/13 20:17
Decachlorobiphenyl [2]	74.2	30-150		9/5/13 20:17
Tetrachloro-m-xylene [1]	81.9	30-150		9/5/13 20:17
Tetrachloro-m-xylene [2]	87.1	30-150		9/5/13 20:17

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287469 Sampled: 8/30/2013 13:01

Sample ID: 13H1191-02

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.075	mg/L	1		CTDEP ETPH	9/6/13	9/9/13 12:25	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	70.9	50-150		9/9/13 12:25

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287472 Sampled: 8/30/2013 09:30

Sample ID: 13H1191-03

Sample Matrix: Trip Blank Water

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 8260C	9/3/13	9/3/13 11:39	MFF
Acrylonitrile	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Bromoform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
2,2-Dichloropropane	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287472 Sampled: 8/30/2013 09:30

Sample ID: 13H1191-03

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260C	9/3/13	9/3/13 11:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	93.1	70-130		9/3/13 11:39
Toluene-d8	98.6	70-130		9/3/13 11:39
4-Bromofluorobenzene	98.3	70-130		9/3/13 11:39

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287471 Sampled: 8/30/2013 13:02

Sample ID: 13H1191-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Acrylonitrile	ND	2.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Benzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Bromobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Bromoform	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Bromomethane	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
2-Butanone (MEK)	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Carbon Tetrachloride	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Chlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Chloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Chloroform	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
2-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
4-Chlorotoluene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Dibromomethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,3-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,4-Dichlorobenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2-Dichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
cis-1,2-Dichloroethylene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
2,2-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Ethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Hexachlorobutadiene	ND	0.40	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
2-Hexanone (MBK)	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Isopropylbenzene (Cumene)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287471 Sampled: 8/30/2013 13:02

Sample ID: 13H1191-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Naphthalene	ND	2.0	µg/L	1	L-03, V-05	SW-846 8260C	9/3/13	9/3/13 14:52	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2,3-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	L-03, V-05	SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1,1-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1,2-Trichloroethane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2,3-Trichloropropane	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,2,4-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
1,3,5-Trimethylbenzene	ND	0.50	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
Vinyl Chloride	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	9/3/13	9/3/13 14:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	105	70-130		9/3/13 14:52
Toluene-d8	99.0	70-130		9/3/13 14:52
4-Bromofluorobenzene	95.3	70-130		9/3/13 14:52

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287455 Sampled: 8/30/2013 12:21

Sample ID: 13H1191-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287455 Sampled: 8/30/2013 12:21

Sample ID: 13H1191-05

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	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Pyrene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 0:38	CMR

Surrogates	% Recovery	Recovery Limits	Flag		
2-Fluorophenol	82.1	30-130		9/6/13	0:38
Phenol-d6	77.1	30-130		9/6/13	0:38
Nitrobenzene-d5	91.1	30-130		9/6/13	0:38
2-Fluorobiphenyl	97.5	30-130		9/6/13	0:38
2,4,6-Tribromophenol	77.3	30-130		9/6/13	0:38
p-Terphenyl-d14	95.5	30-130		9/6/13	0:38

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287455 Sampled: 8/30/2013 12:21

Sample ID: 13H1191-05

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	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 14:53	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	84.8	30-150		9/5/13 14:53
Decachlorobiphenyl [2]	86.8	30-150		9/5/13 14:53
Tetrachloro-m-xylene [1]	83.7	30-150		9/5/13 14:53
Tetrachloro-m-xylene [2]	89.2	30-150		9/5/13 14:53

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287455 Sampled: 8/30/2013 12:21

Sample ID: 13H1191-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	25	11	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 18:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	73.5	50-150		9/5/13 18:57

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287455 Sampled: 8/30/2013 12:21

Sample ID: 13H1191-05

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	89.9		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287454 Sampled: 8/30/2013 12:35

Sample ID: 13H1191-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Acenaphthylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Aniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Benzo(a)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Benzo(a)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Benzo(b)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Benzo(g,h,i)perylene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Benzo(k)fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Bis(2-chloroethoxy)methane	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Bis(2-chloroethyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Bis(2-chloroisopropyl)ether	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Bromophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Butylbenzylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Carbazole	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Chloroaniline	ND	0.67	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Chloro-3-methylphenol	ND	0.67	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2-Chloronaphthalene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2-Chlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Chlorophenylphenylether	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Chrysene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Dibenz(a,h)anthracene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Dibenzofuran	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Di-n-butylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
3,3-Dichlorobenzidine	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4-Dichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Diethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4-Dimethylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Dimethylphthalate	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4,6-Dinitro-2-methylphenol	ND	0.35	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4-Dinitrophenol	ND	0.67	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4-Dinitrotoluene	ND	0.35	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,6-Dinitrotoluene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Di-n-octylphthalate	ND	0.68	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Fluoranthene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Fluorene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Hexachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Hexachlorobutadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Hexachlorocyclopentadiene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Hexachloroethane	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Isophorone	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2-Methylnaphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287454 Sampled: 8/30/2013 12:35

Sample ID: 13H1191-06

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	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
3/4-Methylphenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Naphthalene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
3-Nitroaniline	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Nitroaniline	ND	0.35	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Nitrobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2-Nitrophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
4-Nitrophenol	ND	0.67	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
N-Nitrosodiphenylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
N-Nitrosodi-n-propylamine	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Pentachloronitrobenzene	ND	0.35	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Pentachlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Phenanthrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Phenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Pyrene	ND	0.17	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
Pyridine	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
1,2,4-Trichlorobenzene	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4,5-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR
2,4,6-Trichlorophenol	ND	0.35	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:21	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	75.3	30-130		9/6/13 10:21
Phenol-d6	76.1	30-130		9/6/13 10:21
Nitrobenzene-d5	76.5	30-130		9/6/13 10:21
2-Fluorobiphenyl	74.7	30-130		9/6/13 10:21
2,4,6-Tribromophenol	93.3	30-130		9/6/13 10:21
p-Terphenyl-d14	99.4	30-130		9/6/13 10:21

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287454 Sampled: 8/30/2013 12:35

Sample ID: 13H1191-06

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	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:06	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.8	30-150		9/5/13 15:06
Decachlorobiphenyl [2]	88.7	30-150		9/5/13 15:06
Tetrachloro-m-xylene [1]	85.0	30-150		9/5/13 15:06
Tetrachloro-m-xylene [2]	90.4	30-150		9/5/13 15:06

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287454 Sampled: 8/30/2013 12:35

Sample ID: 13H1191-06

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	12	10	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 16:53	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	75.5	50-150		9/5/13 16:53

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287454 Sampled: 8/30/2013 12:35

Sample ID: 13H1191-06

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	97.1		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287453 Sampled: 8/30/2013 12:30

Sample ID: 13H1191-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287453 Sampled: 8/30/2013 12:30

Sample ID: 13H1191-07

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	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 10:51	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	63.4	30-130		9/6/13 10:51
Phenol-d6	61.5	30-130		9/6/13 10:51
Nitrobenzene-d5	64.0	30-130		9/6/13 10:51
2-Fluorobiphenyl	64.7	30-130		9/6/13 10:51
2,4,6-Tribromophenol	73.0	30-130		9/6/13 10:51
p-Terphenyl-d14	76.8	30-130		9/6/13 10:51

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287453 Sampled: 8/30/2013 12:30

Sample ID: 13H1191-07

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	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:19	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	83.3	30-150		9/5/13 15:19
Decachlorobiphenyl [2]	84.8	30-150		9/5/13 15:19
Tetrachloro-m-xylene [1]	80.8	30-150		9/5/13 15:19
Tetrachloro-m-xylene [2]	85.7	30-150		9/5/13 15:19

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287453 Sampled: 8/30/2013 12:30

Sample ID: 13H1191-07

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	18	11	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 17:46	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	62.3	50-150				9/5/13 17:46	

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287453 Sampled: 8/30/2013 12:30

Sample ID: 13H1191-07

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	91.5		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287452 Sampled: 8/30/2013 12:25

Sample ID: 13H1191-08

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287452 Sampled: 8/30/2013 12:25

Sample ID: 13H1191-08

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	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
4-Nitrophenol	ND	0.74	mg/Kg dry	1	V-20	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 11:22	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	61.8	30-130		9/6/13 11:22
Phenol-d6	60.6	30-130		9/6/13 11:22
Nitrobenzene-d5	61.9	30-130		9/6/13 11:22
2-Fluorobiphenyl	64.3	30-130		9/6/13 11:22
2,4,6-Tribromophenol	74.6	30-130		9/6/13 11:22
p-Terphenyl-d14	73.1	30-130		9/6/13 11:22

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287452 Sampled: 8/30/2013 12:25

Sample ID: 13H1191-08

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	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:32	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.0	30-150		9/5/13 15:32
Decachlorobiphenyl [2]	86.4	30-150		9/5/13 15:32
Tetrachloro-m-xylene [1]	83.1	30-150		9/5/13 15:32
Tetrachloro-m-xylene [2]	88.2	30-150		9/5/13 15:32

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287452 Sampled: 8/30/2013 12:25

Sample ID: 13H1191-08

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	36	11	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 18:04	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	66.9	50-150				9/5/13 18:04	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287452 Sampled: 8/30/2013 12:25

Sample ID: 13H1191-08

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	88.5		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287451 Sampled: 8/30/2013 12:20

Sample ID: 13H1191-09

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Benzo(a)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Benzo(a)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Benzo(b)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Butylbenzylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Carbazole	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Chloroaniline	ND	0.70	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Chloro-3-methylphenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Chlorophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Chrysene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Dimethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4,6-Dinitro-2-methylphenol	ND	0.36	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4-Dinitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Hexachlorocyclopentadiene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Indeno(1,2,3-cd)pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287451 Sampled: 8/30/2013 12:20

Sample ID: 13H1191-09

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	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
3-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Nitroaniline	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
4-Nitrophenol	ND	0.70	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
N-Nitrosodiphenylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
N-Nitrosodi-n-propylamine	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Pentachloronitrobenzene	ND	0.36	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Phenanthrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Pyrene	ND	0.18	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
Pyridine	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:08	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	81.6	30-130		9/6/13 1:08
Phenol-d6	76.2	30-130		9/6/13 1:08
Nitrobenzene-d5	83.9	30-130		9/6/13 1:08
2-Fluorobiphenyl	92.2	30-130		9/6/13 1:08
2,4,6-Tribromophenol	75.0	30-130		9/6/13 1:08
p-Terphenyl-d14	102	30-130		9/6/13 1:08

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287451 Sampled: 8/30/2013 12:20

Sample ID: 13H1191-09

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	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:45	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.6	30-150		9/5/13 15:45
Decachlorobiphenyl [2]	88.9	30-150		9/5/13 15:45
Tetrachloro-m-xylene [1]	86.4	30-150		9/5/13 15:45
Tetrachloro-m-xylene [2]	90.9	30-150		9/5/13 15:45

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287451 Sampled: 8/30/2013 12:20

Sample ID: 13H1191-09

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	18	11	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 18:22	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	80.6	50-150		9/5/13 18:22

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287451 Sampled: 8/30/2013 12:20

Sample ID: 13H1191-09

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	93.1		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

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 8270D	9/3/13	9/6/13 1:38	CMR
Acenaphthene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Acenaphthylene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Acenaphthylene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Aniline	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Anthracene	2.6	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Anthracene	2.5	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(a)anthracene	4.9	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Benzo(a)anthracene	4.6	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(a)pyrene	3.5	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(a)pyrene	3.9	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Benzo(b)fluoranthene	4.6	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(b)fluoranthene	4.4	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Benzo(g,h,i)perylene	1.0	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(g,h,i)perylene	2.3	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Benzo(k)fluoranthene	1.8	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Benzo(k)fluoranthene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Bis(2-chloroethoxy)methane	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Bis(2-chloroethyl)ether	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Bis(2-chloroisopropyl)ether	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Bis(2-Ethylhexyl)phthalate	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Bromophenylphenylether	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Butylbenzylphthalate	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Carbazole	0.49	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Carbazole	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4-Chloroaniline	ND	0.72	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Chloroaniline	ND	7.2	mg/Kg dry	10	L-04	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4-Chloro-3-methylphenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Chloro-3-methylphenol	ND	7.2	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2-Chloronaphthalene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2-Chlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Chlorophenylphenylether	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Chrysene	5.0	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Chrysene	5.4	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.35	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Dibenz(a,h)anthracene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Dibenzofuran	0.75	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Dibenzofuran	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Di-n-butylphthalate	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
3,3-Dichlorobenzidine	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4-Dichlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Diethylphthalate	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4-Dimethylphenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Dimethylphthalate	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4,6-Dinitro-2-methylphenol	ND	3.7	mg/Kg dry	10	V-19	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4-Dinitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4-Dinitrophenol	ND	7.2	mg/Kg dry	10	V-20	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4-Dinitrotoluene	ND	3.7	mg/Kg dry	10	V-20	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,6-Dinitrotoluene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Di-n-octylphthalate	ND	7.3	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Fluoranthene	9.1	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Fluoranthene	13	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Fluorene	2.6	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Fluorene	3.1	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Hexachlorobenzene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Hexachlorobutadiene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Hexachlorocyclopentadiene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Hexachloroethane	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Indeno(1,2,3-cd)pyrene	1.2	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Indeno(1,2,3-cd)pyrene	2.5	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Isophorone	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2-Methylnaphthalene	0.58	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2-Methylnaphthalene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

Sample Matrix: Soil

Sample Flags: DL-03

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 8270D	9/3/13	9/6/13 15:23	CMR
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
3/4-Methylphenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Naphthalene	0.31	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Naphthalene	ND	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2-Nitroaniline	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
3-Nitroaniline	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Nitroaniline	ND	3.7	mg/Kg dry	10	V-20	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Nitrobenzene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2-Nitrophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
4-Nitrophenol	ND	0.72	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
4-Nitrophenol	ND	7.2	mg/Kg dry	10	V-20	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
N-Nitrosodiphenylamine	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
N-Nitrosodi-n-propylamine	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Pentachloronitrobenzene	ND	3.7	mg/Kg dry	10	V-16	SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Pentachlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Phenanthrene	14	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Phenanthrene	16	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Phenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Pyrene	9.6	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Pyrene	13	1.9	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
Pyridine	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
1,2,4,5-Tetrachlorobenzene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
1,2,4-Trichlorobenzene	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4,5-Trichlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 1:38	CMR
2,4,6-Trichlorophenol	ND	3.7	mg/Kg dry	10		SW-846 8270D	9/3/13	9/6/13 15:23	CMR

Surrogates	% Recovery	Recovery Limits	Flag

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag**				
2-Fluorophenol		68.0	30-130					9/6/13 1:38	
2-Fluorophenol		83.0	30-130					9/6/13 15:23	
Phenol-d6		66.8	30-130					9/6/13 1:38	
Phenol-d6		81.2	30-130					9/6/13 15:23	
Nitrobenzene-d5		71.6	30-130					9/6/13 1:38	
Nitrobenzene-d5		78.2	30-130					9/6/13 15:23	
2-Fluorobiphenyl		79.2	30-130					9/6/13 1:38	
2-Fluorobiphenyl		79.2	30-130					9/6/13 15:23	
2,4,6-Tribromophenol		86.5	30-130					9/6/13 1:38	
2,4,6-Tribromophenol		103	30-130					9/6/13 15:23	
p-Terphenyl-d14		74.9	30-130					9/6/13 1:38	
p-Terphenyl-d14		105	30-130					9/6/13 15:23	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

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	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 15:58	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.4	30-150		9/5/13 15:58
Decachlorobiphenyl [2]	92.7	30-150		9/5/13 15:58
Tetrachloro-m-xylene [1]	83.4	30-150		9/5/13 15:58
Tetrachloro-m-xylene [2]	86.3	30-150		9/5/13 15:58

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	240	110	mg/Kg dry	10		CTDEP ETPH	9/4/13	9/5/13 19:15	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	86.2	50-150		9/5/13 19:15

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287450 Sampled: 8/30/2013 10:40

Sample ID: 13H1191-10

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	91.0		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287449 Sampled: 8/30/2013 10:35

Sample ID: 13H1191-11

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Acenaphthylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Aniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Benzo(a)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Benzo(a)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Benzo(b)fluoranthene	0.31	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Benzo(g,h,i)perylene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Benzo(k)fluoranthene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Bis(2-chloroethoxy)methane	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Bis(2-chloroethyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Bis(2-chloroisopropyl)ether	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Bromophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Butylbenzylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Carbazole	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Chloroaniline	ND	0.92	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Chloro-3-methylphenol	ND	0.92	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2-Chloronaphthalene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2-Chlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Chlorophenylphenylether	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Chrysene	0.30	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Dibenz(a,h)anthracene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Dibenzofuran	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Di-n-butylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
3,3-Dichlorobenzidine	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4-Dichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Diethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4-Dimethylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Dimethylphthalate	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4,6-Dinitro-2-methylphenol	ND	0.47	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4-Dinitrophenol	ND	0.92	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,6-Dinitrotoluene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Di-n-octylphthalate	ND	0.93	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Fluoranthene	0.39	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Fluorene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Hexachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Hexachlorobutadiene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Hexachlorocyclopentadiene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Hexachloroethane	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Indeno(1,2,3-cd)pyrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Isophorone	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2-Methylnaphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287449 Sampled: 8/30/2013 10:35

Sample ID: 13H1191-11

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	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
3/4-Methylphenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Naphthalene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
3-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Nitroaniline	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Nitrobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2-Nitrophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
4-Nitrophenol	ND	0.92	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
N-Nitrosodiphenylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
N-Nitrosodi-n-propylamine	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Pentachloronitrobenzene	ND	0.47	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Pentachlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Phenanthrene	ND	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Phenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Pyrene	0.47	0.24	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
Pyridine	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
1,2,4-Trichlorobenzene	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4,5-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR
2,4,6-Trichlorophenol	ND	0.47	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:09	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	72.2	30-130		9/6/13 2:09
Phenol-d6	72.4	30-130		9/6/13 2:09
Nitrobenzene-d5	77.7	30-130		9/6/13 2:09
2-Fluorobiphenyl	78.6	30-130		9/6/13 2:09
2,4,6-Tribromophenol	68.5	30-130		9/6/13 2:09
p-Terphenyl-d14	80.8	30-130		9/6/13 2:09

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287449 Sampled: 8/30/2013 10:35

Sample ID: 13H1191-11

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	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:11	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	80.5	30-150		9/5/13 16:11
Decachlorobiphenyl [2]	85.2	30-150		9/5/13 16:11
Tetrachloro-m-xylene [1]	83.1	30-150		9/5/13 16:11
Tetrachloro-m-xylene [2]	86.0	30-150		9/5/13 16:11

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287449 Sampled: 8/30/2013 10:35

Sample ID: 13H1191-11

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	21	14	mg/Kg dry	1		CTDEP ETPH	9/4/13	9/5/13 18:39	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	64.1	50-150				9/5/13 18:39	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287449 Sampled: 8/30/2013 10:35

Sample ID: 13H1191-11

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	71.0		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Acenaphthene	0.39	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Acenaphthylene	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Acenaphthylene	0.61	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Aniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Anthracene	1.6	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Anthracene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Benzo(a)anthracene	5.7	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Benzo(a)anthracene	5.6	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Benzo(a)pyrene	4.6	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Benzo(a)pyrene	4.7	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Benzo(b)fluoranthene	5.5	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Benzo(b)fluoranthene	6.5	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Benzo(g,h,i)perylene	3.1	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Benzo(g,h,i)perylene	1.4	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Benzo(k)fluoranthene	2.0	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Benzo(k)fluoranthene	2.4	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Bis(2-chloroethoxy)methane	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Bis(2-chloroethyl)ether	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Bis(2-chloroisopropyl)ether	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Bis(2-Ethylhexyl)phthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Bromophenylphenylether	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Butylbenzylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Butylbenzylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Carbazole	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Carbazole	0.34	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Chloroaniline	ND	3.7	mg/Kg dry	5	L-04	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Chloroaniline	ND	0.74	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Chloro-3-methylphenol	ND	3.7	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Chloro-3-methylphenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2-Chloronaphthalene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2-Chlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Chlorophenylphenylether	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Chlorophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Chrysene	5.8	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Chrysene	5.8	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Dibenz(a,h)anthracene	0.99	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Dibenz(a,h)anthracene	0.51	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Dibenzofuran	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Di-n-butylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
3,3-Dichlorobenzidine	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4-Dichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Diethylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4-Dimethylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Dimethylphthalate	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Dimethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4,6-Dinitro-2-methylphenol	ND	1.9	mg/Kg dry	5	V-19	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4,6-Dinitro-2-methylphenol	ND	0.38	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4-Dinitrophenol	ND	3.7	mg/Kg dry	5	V-20	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4-Dinitrotoluene	ND	1.9	mg/Kg dry	5	V-20	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,6-Dinitrotoluene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Di-n-octylphthalate	ND	3.7	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Fluoranthene	12	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Fluoranthene	10	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Fluorene	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Fluorene	1.1	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Hexachlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Hexachlorobutadiene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Hexachlorocyclopentadiene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Hexachlorocyclopentadiene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Hexachloroethane	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Indeno(1,2,3-cd)pyrene	3.2	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Indeno(1,2,3-cd)pyrene	1.7	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Isophorone	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2-Methylnaphthalene	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2-Methylnaphthalene	0.37	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

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 8270D	9/3/13	9/6/13 18:24	CMR
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
3/4-Methylphenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Naphthalene	ND	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Naphthalene	0.30	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2-Nitroaniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
3-Nitroaniline	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
3-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Nitroaniline	ND	1.9	mg/Kg dry	5	V-20	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Nitroaniline	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Nitrobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2-Nitrophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
4-Nitrophenol	ND	3.7	mg/Kg dry	5	V-20	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
N-Nitrosodiphenylamine	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
N-Nitrosodiphenylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
N-Nitrosodi-n-propylamine	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
N-Nitrosodi-n-propylamine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Pentachloronitrobenzene	ND	1.9	mg/Kg dry	5	V-16	SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Pentachloronitrobenzene	ND	0.38	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Pentachlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Phenanthrene	7.9	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Phenanthrene	7.8	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Phenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Pyrene	14	0.95	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Pyrene	11	0.19	mg/Kg dry	1	E	SW-846 8270D	9/3/13	9/6/13 2:39	CMR
Pyridine	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
Pyridine	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
1,2,4,5-Tetrachlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
1,2,4-Trichlorobenzene	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4,5-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR
2,4,6-Trichlorophenol	ND	1.9	mg/Kg dry	5		SW-846 8270D	9/3/13	9/6/13 18:24	CMR
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 2:39	CMR

Surrogates	% Recovery	Recovery Limits	Flag

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Surrogates		**% Recovery**	**Recovery Limits**		**Flag**				
2-Fluorophenol		74.1	30-130					9/6/13 18:24	
2-Fluorophenol		68.5	30-130					9/6/13 2:39	
Phenol-d6		74.0	30-130					9/6/13 18:24	
Phenol-d6		65.6	30-130					9/6/13 2:39	
Nitrobenzene-d5		74.0	30-130					9/6/13 18:24	
Nitrobenzene-d5		73.9	30-130					9/6/13 2:39	
2-Fluorobiphenyl		67.6	30-130					9/6/13 18:24	
2-Fluorobiphenyl		73.2	30-130					9/6/13 2:39	
2,4,6-Tribromophenol		88.8	30-130					9/6/13 18:24	
2,4,6-Tribromophenol		70.3	30-130					9/6/13 2:39	
p-Terphenyl-d14		91.5	30-130					9/6/13 18:24	
p-Terphenyl-d14		72.4	30-130					9/6/13 2:39	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

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	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:24	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.4	30-150		9/5/13 16:24
Decachlorobiphenyl [2]	105	30-150		9/5/13 16:24
Tetrachloro-m-xylene [1]	78.6	30-150		9/5/13 16:24
Tetrachloro-m-xylene [2]	83.6	30-150		9/5/13 16:24

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	300	110	mg/Kg dry	10		CTDEP ETPH	9/4/13	9/5/13 18:57	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	73.4	50-150		9/5/13 18:57

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287448 Sampled: 8/30/2013 10:30

Sample ID: 13H1191-12

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	87.6		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287447 Sampled: 8/30/2013 10:25

Sample ID: 13H1191-13

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Acenaphthylene	0.20	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Benzo(a)anthracene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Benzo(a)pyrene	1.6	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Benzo(b)fluoranthene	2.1	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Benzo(g,h,i)perylene	0.67	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Benzo(k)fluoranthene	0.82	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Butylbenzylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Carbazole	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Chloroaniline	ND	0.73	mg/Kg dry	1	L-04	SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Chloro-3-methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Chlorophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Chrysene	1.7	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Dibenz(a,h)anthracene	0.22	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Dimethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4,6-Dinitro-2-methylphenol	ND	0.37	mg/Kg dry	1	V-19	SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Fluoranthene	2.1	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Hexachlorocyclopentadiene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Indeno(1,2,3-cd)pyrene	0.77	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR

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

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287447 Sampled: 8/30/2013 10:25

Sample ID: 13H1191-13

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	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
3-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Nitroaniline	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
N-Nitrosodiphenylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
N-Nitrosodi-n-propylamine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Pentachloronitrobenzene	ND	0.37	mg/Kg dry	1	V-16	SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Phenanthrene	0.93	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Pyrene	2.4	0.19	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
Pyridine	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270D	9/3/13	9/6/13 3:09	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	69.8	30-130		9/6/13 3:09
Phenol-d6	67.0	30-130		9/6/13 3:09
Nitrobenzene-d5	75.8	30-130		9/6/13 3:09
2-Fluorobiphenyl	78.6	30-130		9/6/13 3:09
2,4,6-Tribromophenol	77.1	30-130		9/6/13 3:09
p-Terphenyl-d14	76.7	30-130		9/6/13 3:09

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287447 Sampled: 8/30/2013 10:25

Sample ID: 13H1191-13

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	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	9/4/13	9/5/13 16:37	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.1	30-150		9/5/13 16:37
Decachlorobiphenyl [2]	97.1	30-150		9/5/13 16:37
Tetrachloro-m-xylene [1]	86.9	30-150		9/5/13 16:37
Tetrachloro-m-xylene [2]	92.0	30-150		9/5/13 16:37

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287447 Sampled: 8/30/2013 10:25

Sample ID: 13H1191-13

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	180	110	mg/Kg dry	10		CTDEP ETPH	9/4/13	9/5/13 19:15	SCS

Surrogates	% Recovery	Recovery Limits	Flag				
o-Terphenyl	73.6	50-150				9/5/13 19:15	

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13H1191

Date Received: 8/30/2013

Field Sample #: 1287447 Sampled: 8/30/2013 10:25

Sample ID: 13H1191-13

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	90.8		% Wt	1		SM 2540G	9/7/13	9/9/13 9:00	MLA

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1191-05 [1287455]	B080105	30.2	1.00	09/04/13
13H1191-06 [1287454]	B080105	30.0	1.00	09/04/13
13H1191-07 [1287453]	B080105	30.0	1.00	09/04/13
13H1191-08 [1287452]	B080105	30.3	1.00	09/04/13
13H1191-09 [1287451]	B080105	30.0	1.00	09/04/13
13H1191-10 [1287450]	B080105	30.0	1.00	09/04/13
13H1191-11 [1287449]	B080105	30.1	1.00	09/04/13
13H1191-12 [1287448]	B080105	30.3	1.00	09/04/13
13H1191-13 [1287447]	B080105	30.1	1.00	09/04/13

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H1191-01 [1287473]	B080307	1000	1.00	09/06/13
13H1191-02 [1287469]	B080307	1000	1.00	09/06/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13H1191-05 [1287455]	B080316	09/07/13
13H1191-06 [1287454]	B080316	09/07/13
13H1191-07 [1287453]	B080316	09/07/13
13H1191-08 [1287452]	B080316	09/07/13
13H1191-09 [1287451]	B080316	09/07/13
13H1191-10 [1287450]	B080316	09/07/13
13H1191-11 [1287449]	B080316	09/07/13
13H1191-12 [1287448]	B080316	09/07/13
13H1191-13 [1287447]	B080316	09/07/13

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1191-05 [1287455]	B080113	10.0	10.0	09/04/13
13H1191-06 [1287454]	B080113	10.2	10.0	09/04/13
13H1191-07 [1287453]	B080113	10.1	10.0	09/04/13
13H1191-08 [1287452]	B080113	10.0	10.0	09/04/13
13H1191-09 [1287451]	B080113	10.4	10.0	09/04/13
13H1191-10 [1287450]	B080113	10.0	10.0	09/04/13
13H1191-11 [1287449]	B080113	10.0	10.0	09/04/13
13H1191-12 [1287448]	B080113	10.6	10.0	09/04/13
13H1191-13 [1287447]	B080113	10.0	10.0	09/04/13

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H1191-01 [1287473]	B080050	1000	10.0	09/03/13
13H1191-02 [1287469]	B080050	1000	10.0	09/03/13

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Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1191-03 [1287472]	B080009	5.00	10.0	09/03/13

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H1191-04 [1287471]	B079992	5	5.00	09/03/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13H1191-05 [1287455]	B079986	30.0	1.00	09/03/13
13H1191-06 [1287454]	B079986	30.3	1.00	09/03/13
13H1191-07 [1287453]	B079986	30.1	1.00	09/03/13
13H1191-08 [1287452]	B079986	30.1	1.00	09/03/13
13H1191-09 [1287451]	B079986	30.2	1.00	09/03/13
13H1191-10 [1287450]	B079986	30.1	1.00	09/03/13
13H1191-10RE1 [1287450]	B079986	30.1	1.00	09/03/13
13H1191-11 [1287449]	B079986	30.3	1.00	09/03/13
13H1191-12 [1287448]	B079986	30.6	1.00	09/03/13
13H1191-12RE1 [1287448]	B079986	30.6	1.00	09/03/13
13H1191-13 [1287447]	B079986	30.0	1.00	09/03/13

Prep Method: SW-846 3510C-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H1191-01 [1287473]	B080086	1000	1.00	09/04/13
13H1191-02 [1287469]	B080086	1000	1.00	09/04/13

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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 B079992 - SW-846 5030B										
Blank (B079992-BLK1)				Prepared & Analyzed: 09/03/13						
Acetone	ND	5.0	µg/L							
Acrylonitrile	ND	2.0	µg/L							
Benzene	ND	0.50	µg/L							
Bromobenzene	ND	0.50	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	0.50	µg/L							
Bromomethane	ND	1.0	µg/L							
2-Butanone (MEK)	ND	5.0	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	0.50	µg/L							
Chlorobenzene	ND	0.50	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	0.50	µg/L							
Chloroform	ND	0.50	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	0.50	µg/L							
4-Chlorotoluene	ND	0.50	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							L-03, V-05
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	0.50	µg/L							
1,3-Dichlorobenzene	ND	0.50	µg/L							
1,4-Dichlorobenzene	ND	0.50	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	0.50	µg/L							
1,1-Dichloroethane	ND	0.50	µg/L							
1,2-Dichloroethane	ND	0.50	µg/L							
1,1-Dichloroethylene	ND	0.50	µg/L							
cis-1,2-Dichloroethylene	ND	0.50	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	0.50	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	0.50	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Ethylbenzene	ND	0.50	µg/L							
Hexachlorobutadiene	ND	0.40	µg/L							
2-Hexanone (MBK)	ND	5.0	µg/L							
Isopropylbenzene (Cumene)	ND	0.50	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	0.50	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	0.50	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	5.0	µg/L							
Naphthalene	ND	2.0	µg/L							L-03, V-05
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							

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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 B079992 - SW-846 5030B											
Blank (B079992-BLK1)				Prepared & Analyzed: 09/03/13							
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	1.0	µg/L								L-03, V-05
1,2,4-Trichlorobenzene	ND	1.0	µg/L								L-03, V-05
1,1,1-Trichloroethane	ND	0.50	µg/L								
1,1,2-Trichloroethane	ND	0.50	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	0.50	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	µg/L								
1,2,4-Trimethylbenzene	ND	0.50	µg/L								
1,3,5-Trimethylbenzene	ND	0.50	µg/L								
Vinyl Chloride	ND	1.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*25.3*		µg/L	25.0		101		70-130			
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		99.0		70-130			
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		95.8		70-130			
LCS (B079992-BS1)				Prepared & Analyzed: 09/03/13							
Acetone	90.3	5.0	µg/L	100		90.3		70-130			
Acrylonitrile	8.62	2.0	µg/L	10.0		86.2		70-130			
Benzene	9.52	0.50	µg/L	10.0		95.2		70-130			
Bromobenzene	9.62	0.50	µg/L	10.0		96.2		70-130			
Bromodichloromethane	10.2	0.50	µg/L	10.0		102		70-130			
Bromoform	8.22	0.50	µg/L	10.0		82.2		70-130			
Bromomethane	11.6	1.0	µg/L	10.0		116		70-130			
2-Butanone (MEK)	84.5	5.0	µg/L	100		84.5		70-130			
n-Butylbenzene	9.74	1.0	µg/L	10.0		97.4		70-130			
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2		70-130			
tert-Butylbenzene	9.80	1.0	µg/L	10.0		98.0		70-130			
Carbon Disulfide	111	5.0	µg/L	100		111		70-130			
Carbon Tetrachloride	9.61	0.50	µg/L	10.0		96.1		70-130			
Chlorobenzene	9.67	0.50	µg/L	10.0		96.7		70-130			
Chlorodibromomethane	9.19	0.50	µg/L	10.0		91.9		70-130			
Chloroethane	9.46	0.50	µg/L	10.0		94.6		70-130			
Chloroform	9.54	0.50	µg/L	10.0		95.4		70-130			
Chloromethane	10.2	2.0	µg/L	10.0		102		70-130			
2-Chlorotoluene	9.76	0.50	µg/L	10.0		97.6		70-130			
4-Chlorotoluene	9.92	0.50	µg/L	10.0		99.2		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	6.80	2.0	µg/L	10.0		**68.0**	*	70-130			L-03, V-05
1,2-Dibromoethane (EDB)	9.57	0.50	µg/L	10.0		95.7		70-130			
Dibromomethane	9.88	0.50	µg/L	10.0		98.8		70-130			
1,2-Dichlorobenzene	9.28	0.50	µg/L	10.0		92.8		70-130			
1,3-Dichlorobenzene	9.54	0.50	µg/L	10.0		95.4		70-130			
1,4-Dichlorobenzene	9.03	0.50	µg/L	10.0		90.3		70-130			
trans-1,4-Dichloro-2-butene	8.04	2.0	µg/L	10.0		80.4		70-130			
Dichlorodifluoromethane (Freon 12)	8.10	0.50	µg/L	10.0		81.0		70-130			
1,1-Dichloroethane	9.60	0.50	µg/L	10.0		96.0		70-130			
1,2-Dichloroethane	9.68	0.50	µg/L	10.0		96.8		70-130			
1,1-Dichloroethylene	10.0	0.50	µg/L	10.0		100		70-130			

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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 B079992 - SW-846 5030B											
LCS (B079992-BS1)				Prepared & Analyzed: 09/03/13							
cis-1,2-Dichloroethylene	9.83	0.50	µg/L	10.0		98.3		70-130			
trans-1,2-Dichloroethylene	9.65	1.0	µg/L	10.0		96.5		70-130			
1,2-Dichloropropane	9.67	0.50	µg/L	10.0		96.7		70-130			
1,3-Dichloropropane	9.72	0.50	µg/L	10.0		97.2		70-130			
2,2-Dichloropropane	10.5	0.50	µg/L	10.0		105		70-130			
1,1-Dichloropropene	9.45	0.50	µg/L	10.0		94.5		70-130			
cis-1,3-Dichloropropene	10.9	0.50	µg/L	10.0		109		70-130			
trans-1,3-Dichloropropene	12.6	0.50	µg/L	10.0		126		70-130			
Ethylbenzene	9.67	0.50	µg/L	10.0		96.7		70-130			
Hexachlorobutadiene	9.05	0.40	µg/L	10.0		90.5		70-130			
2-Hexanone (MBK)	90.4	5.0	µg/L	100		90.4		70-130			
Isopropylbenzene (Cumene)	10.0	0.50	µg/L	10.0		100		70-130			
p-Isopropyltoluene (p-Cymene)	9.90	0.50	µg/L	10.0		99.0		70-130			
Methyl tert-Butyl Ether (MTBE)	9.67	0.50	µg/L	10.0		96.7		70-130			
Methylene Chloride	11.0	5.0	µg/L	10.0		110		70-130			
4-Methyl-2-pentanone (MIBK)	88.8	5.0	µg/L	100		88.8		70-130			
Naphthalene	5.61	2.0	µg/L	10.0		**56.1**	*	70-130			L-03, V-05
n-Propylbenzene	9.79	1.0	µg/L	10.0		97.9		70-130			
Styrene	10.1	1.0	µg/L	10.0		101		70-130			
1,1,1,2-Tetrachloroethane	10.1	0.50	µg/L	10.0		101		70-130			
1,1,2,2-Tetrachloroethane	8.28	0.50	µg/L	10.0		82.8		70-130			
Tetrachloroethylene	9.94	1.0	µg/L	10.0		99.4		70-130			
Tetrahydrofuran	8.04	10	µg/L	10.0		80.4		70-130			
Toluene	9.73	1.0	µg/L	10.0		97.3		70-130			
1,2,3-Trichlorobenzene	5.18	1.0	µg/L	10.0		**51.8**	*	70-130			L-03, V-05
1,2,4-Trichlorobenzene	5.39	1.0	µg/L	10.0		**53.9**	*	70-130			L-03, V-05
1,1,1-Trichloroethane	9.73	0.50	µg/L	10.0		97.3		70-130			
1,1,2-Trichloroethane	9.61	0.50	µg/L	10.0		96.1		70-130			
Trichloroethylene	9.71	1.0	µg/L	10.0		97.1		70-130			
Trichlorofluoromethane (Freon 11)	9.23	2.0	µg/L	10.0		92.3		70-130			
1,2,3-Trichloropropane	8.46	0.50	µg/L	10.0		84.6		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.44	0.50	µg/L	10.0		94.4		70-130			
1,2,4-Trimethylbenzene	9.95	0.50	µg/L	10.0		99.5		70-130			
1,3,5-Trimethylbenzene	10.2	0.50	µg/L	10.0		102		70-130			
Vinyl Chloride	9.63	1.0	µg/L	10.0		96.3		70-130			
m+p Xylene	20.1	2.0	µg/L	20.0		101		70-130			
o-Xylene	9.95	1.0	µg/L	10.0		99.5		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.0*		µg/L	25.0		96.0		70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		70-130			
Batch B080009 - SW-846 5035											
Blank (B080009-BLK1)				Prepared & Analyzed: 09/03/13							
Acetone	ND	0.10	mg/Kg wet								
Acrylonitrile	ND	0.0060	mg/Kg wet								
Benzene	ND	0.0020	mg/Kg wet								
Bromobenzene	ND	0.0020	mg/Kg wet								
Bromodichloromethane	ND	0.0020	mg/Kg wet								
Bromoform	ND	0.0040	mg/Kg wet								
Bromomethane	ND	0.010	mg/Kg wet								
2-Butanone (MEK)	ND	0.040	mg/Kg wet								

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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 B080009 - SW-846 5035										
Blank (B080009-BLK1)				Prepared & Analyzed: 09/03/13						
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	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							
trans-1,4-Dichloro-2-butene	ND	0.0040	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	0.010	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							
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							
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							

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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 B080009 - SW-846 5035											
Blank (B080009-BLK1)				Prepared & Analyzed: 09/03/13							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	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	*0.0468*		mg/Kg wet	0.0500		93.5		70-130			
Surrogate: Toluene-d8	*0.0496*		mg/Kg wet	0.0500		99.2		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0482*		mg/Kg wet	0.0500		96.5		70-130			
LCS (B080009-BS1)				Prepared & Analyzed: 09/03/13							
Acetone	0.196	0.10	mg/Kg wet	0.200		97.9		70-130			
Acrylonitrile	0.0155	0.0060	mg/Kg wet	0.0200		77.5		70-130			
Benzene	0.0185	0.0020	mg/Kg wet	0.0200		92.5		70-130			
Bromobenzene	0.0190	0.0020	mg/Kg wet	0.0200		95.1		70-130			
Bromodichloromethane	0.0192	0.0020	mg/Kg wet	0.0200		96.2		70-130			
Bromoform	0.0202	0.0040	mg/Kg wet	0.0200		101		70-130			
Bromomethane	0.0249	0.010	mg/Kg wet	0.0200		125		70-130			
2-Butanone (MEK)	0.177	0.040	mg/Kg wet	0.200		88.4		70-130			
n-Butylbenzene	0.0193	0.0020	mg/Kg wet	0.0200		96.4		70-130			
sec-Butylbenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.1		70-130			
tert-Butylbenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.8		70-130			
Carbon Disulfide	0.197	0.0060	mg/Kg wet	0.200		98.7		70-130			
Carbon Tetrachloride	0.0177	0.0020	mg/Kg wet	0.0200		88.5		70-130			
Chlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.0		70-130			
Chlorodibromomethane	0.0198	0.0010	mg/Kg wet	0.0200		98.8		70-130			
Chloroethane	0.0214	0.020	mg/Kg wet	0.0200		107		70-130			
Chloroform	0.0183	0.0040	mg/Kg wet	0.0200		91.4		70-130			
Chloromethane	0.0211	0.010	mg/Kg wet	0.0200		105		70-130			
2-Chlorotoluene	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130			
4-Chlorotoluene	0.0199	0.0020	mg/Kg wet	0.0200		99.4		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	0.0168	0.0020	mg/Kg wet	0.0200		83.9		70-130			
1,2-Dibromoethane (EDB)	0.0198	0.0010	mg/Kg wet	0.0200		98.8		70-130			
Dibromomethane	0.0194	0.0020	mg/Kg wet	0.0200		97.1		70-130			
1,2-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.2		70-130			
1,3-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.2		70-130			
1,4-Dichlorobenzene	0.0183	0.0020	mg/Kg wet	0.0200		91.3		70-130			
trans-1,4-Dichloro-2-butene	0.0182	0.0040	mg/Kg wet	0.0200		90.8		70-130			
Dichlorodifluoromethane (Freon 12)	0.0308	0.020	mg/Kg wet	0.0200		**154**	*	70-130			L-01, V-20
1,1-Dichloroethane	0.0190	0.0020	mg/Kg wet	0.0200		95.2		70-130			
1,2-Dichloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6		70-130			
1,1-Dichloroethylene	0.0184	0.0040	mg/Kg wet	0.0200		92.1		70-130			
cis-1,2-Dichloroethylene	0.0181	0.0020	mg/Kg wet	0.0200		90.5		70-130			
trans-1,2-Dichloroethylene	0.0191	0.0020	mg/Kg wet	0.0200		95.6		70-130			
1,2-Dichloropropane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130			
1,3-Dichloropropane	0.0191	0.0010	mg/Kg wet	0.0200		95.3		70-130			
2,2-Dichloropropane	0.0180	0.010	mg/Kg wet	0.0200		90.1		70-130			
1,1-Dichloropropene	0.0191	0.0020	mg/Kg wet	0.0200		95.7		70-130			
cis-1,3-Dichloropropene	0.0203	0.0010	mg/Kg wet	0.0200		101		70-130			
trans-1,3-Dichloropropene	0.0180	0.0010	mg/Kg wet	0.0200		89.9		70-130			

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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 B080009 - SW-846 5035										
LCS (B080009-BS1)				Prepared & Analyzed: 09/03/13						
Ethylbenzene	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130			
Hexachlorobutadiene	0.0186	0.0020	mg/Kg wet	0.0200		93.1	70-130			
2-Hexanone (MBK)	0.182	0.020	mg/Kg wet	0.200		91.1	70-130			
Isopropylbenzene (Cumene)	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130			
p-Isopropyltoluene (p-Cymene)	0.0190	0.0020	mg/Kg wet	0.0200		94.9	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130			
Methylene Chloride	0.0169	0.020	mg/Kg wet	0.0200		84.3	70-130			
4-Methyl-2-pentanone (MIBK)	0.187	0.020	mg/Kg wet	0.200		93.3	70-130			
Naphthalene	0.0155	0.0040	mg/Kg wet	0.0200		77.4	70-130			
n-Propylbenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Styrene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130			
1,1,1,2-Tetrachloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130			
1,1,2,2-Tetrachloroethane	0.0187	0.0010	mg/Kg wet	0.0200		93.5	70-130			
Tetrachloroethylene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130			
Tetrahydrofuran	0.0142	0.010	mg/Kg wet	0.0200		70.9	70-130			V-16
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130			
1,2,3-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		87.1	70-130			
1,2,4-Trichlorobenzene	0.0174	0.0020	mg/Kg wet	0.0200		86.9	70-130			
1,1,1-Trichloroethane	0.0181	0.0020	mg/Kg wet	0.0200		90.4	70-130			
1,1,2-Trichloroethane	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130			
Trichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130			
Trichlorofluoromethane (Freon 11)	0.0198	0.010	mg/Kg wet	0.0200		98.8	70-130			
1,2,3-Trichloropropane	0.0187	0.0020	mg/Kg wet	0.0200		93.5	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.0194	0.010	mg/Kg wet	0.0200		96.8	70-130			
1,2,4-Trimethylbenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130			
1,3,5-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130			
Vinyl Chloride	0.0217	0.010	mg/Kg wet	0.0200		109	70-130			
m+p Xylene	0.0404	0.0040	mg/Kg wet	0.0400		101	70-130			
o-Xylene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0448*		mg/Kg wet	0.0500		89.6	70-130			
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.3	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0487*		mg/Kg wet	0.0500		97.5	70-130			

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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 B079986 - SW-846 3546										
Blank (B079986-BLK1)				Prepared & Analyzed: 09/03/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							L-04
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B079986 - SW-846 3546												
Blank (B079986-BLK1)				Prepared & Analyzed: 09/03/13								
4-Nitrophenol	ND	0.66	mg/Kg wet									
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet									
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet									
Pentachloronitrobenzene	ND	0.34	mg/Kg wet								V-16	
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									
Pyridine	ND	0.34	mg/Kg wet									
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*5.44*		mg/Kg wet	6.67		81.6		30-130				
Surrogate: Phenol-d6	*5.26*		mg/Kg wet	6.67		78.8		30-130				
Surrogate: Nitrobenzene-d5	*2.65*		mg/Kg wet	3.33		79.6		30-130				
Surrogate: 2-Fluorobiphenyl	*2.64*		mg/Kg wet	3.33		79.3		30-130				
Surrogate: 2,4,6-Tribromophenol	*5.24*		mg/Kg wet	6.67		78.6		30-130				
Surrogate: p-Terphenyl-d14	*3.08*		mg/Kg wet	3.33		92.3		30-130				
LCS (B079986-BS1)				Prepared & Analyzed: 09/03/13								
Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.7		40-140				
Acenaphthylene	1.35	0.17	mg/Kg wet	1.67		80.9		40-140				
Aniline	1.01	0.34	mg/Kg wet	1.67		60.5		40-140				†
Anthracene	1.40	0.17	mg/Kg wet	1.67		83.8		40-140				
Benzo(a)anthracene	1.43	0.17	mg/Kg wet	1.67		85.8		40-140				
Benzo(a)pyrene	1.50	0.17	mg/Kg wet	1.67		90.1		40-140				
Benzo(b)fluoranthene	1.50	0.17	mg/Kg wet	1.67		90.3		40-140				
Benzo(g,h,i)perylene	0.962	0.17	mg/Kg wet	1.67		57.7		40-140				
Benzo(k)fluoranthene	1.59	0.17	mg/Kg wet	1.67		95.7		40-140				
Bis(2-chloroethoxy)methane	1.35	0.34	mg/Kg wet	1.67		80.7		40-140				
Bis(2-chloroethyl)ether	1.41	0.34	mg/Kg wet	1.67		84.6		40-140				
Bis(2-chloroisopropyl)ether	1.33	0.34	mg/Kg wet	1.67		79.6		40-140				
Bis(2-Ethylhexyl)phthalate	1.48	0.34	mg/Kg wet	1.67		88.9		40-140				
4-Bromophenylphenylether	1.43	0.34	mg/Kg wet	1.67		85.8		40-140				
Butylbenzylphthalate	1.54	0.34	mg/Kg wet	1.67		92.7		40-140				
Carbazole	1.47	0.17	mg/Kg wet	1.67		88.1		40-140				
4-Chloroaniline	0.619	0.66	mg/Kg wet	1.67		**37.1**	*	40-140			L-04	†
4-Chloro-3-methylphenol	1.26	0.66	mg/Kg wet	1.67		75.6		30-130				
2-Chloronaphthalene	1.19	0.34	mg/Kg wet	1.67		71.7		40-140				
2-Chlorophenol	1.32	0.34	mg/Kg wet	1.67		78.9		30-130				
4-Chlorophenylphenylether	1.40	0.34	mg/Kg wet	1.67		83.9		40-140				
Chrysene	1.50	0.17	mg/Kg wet	1.67		89.8		40-140				
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.1		40-140				
Dibenzofuran	1.28	0.34	mg/Kg wet	1.67		76.9		40-140				
Di-n-butylphthalate	1.58	0.34	mg/Kg wet	1.67		94.5		40-140				
3,3-Dichlorobenzidine	1.13	0.17	mg/Kg wet	1.67		67.6		40-140				†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.7		30-130				
Diethylphthalate	1.37	0.34	mg/Kg wet	1.67		82.4		40-140				
2,4-Dimethylphenol	1.45	0.34	mg/Kg wet	1.67		87.0		30-130				
Dimethylphthalate	1.42	0.34	mg/Kg wet	1.67		84.9		40-140				
4,6-Dinitro-2-methylphenol	1.29	0.34	mg/Kg wet	1.67		77.3		30-130				

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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 B079986 - SW-846 3546										
LCS (B079986-BS1)				Prepared & Analyzed: 09/03/13						
2,4-Dinitrophenol	0.834	0.66	mg/Kg wet	1.67		50.0	30-130			V-19
2,4-Dinitrotoluene	1.34	0.34	mg/Kg wet	1.67		80.5	40-140			
2,6-Dinitrotoluene	1.44	0.34	mg/Kg wet	1.67		86.2	40-140			
Di-n-octylphthalate	1.69	0.67	mg/Kg wet	1.67		102	40-140			
Fluoranthene	1.50	0.17	mg/Kg wet	1.67		89.8	40-140			
Fluorene	1.33	0.17	mg/Kg wet	1.67		79.8	40-140			
Hexachlorobenzene	1.52	0.34	mg/Kg wet	1.67		91.0	40-140			
Hexachlorobutadiene	1.40	0.34	mg/Kg wet	1.67		83.8	40-140			
Hexachlorocyclopentadiene	0.972	0.34	mg/Kg wet	1.67		58.3	30-140			
Hexachloroethane	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
Indeno(1,2,3-cd)pyrene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140			
Isophorone	1.30	0.34	mg/Kg wet	1.67		78.3	40-140			
2-Methylnaphthalene	1.29	0.17	mg/Kg wet	1.67		77.5	40-140			
2-Methylphenol	1.50	0.34	mg/Kg wet	1.67		90.0	30-130			
3/4-Methylphenol	1.25	0.34	mg/Kg wet	1.67		75.3	30-130			
Naphthalene	1.30	0.17	mg/Kg wet	1.67		77.8	40-140			
2-Nitroaniline	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
3-Nitroaniline	0.993	0.34	mg/Kg wet	1.67		59.6	40-140			†
4-Nitroaniline	1.05	0.34	mg/Kg wet	1.67		62.8	40-140			
Nitrobenzene	1.24	0.34	mg/Kg wet	1.67		74.2	40-140			
2-Nitrophenol	1.40	0.34	mg/Kg wet	1.67		84.1	30-130			
4-Nitrophenol	1.05	0.66	mg/Kg wet	1.67		63.2	10-130			
N-Nitrosodiphenylamine	1.66	0.34	mg/Kg wet	1.67		99.9	40-140			
N-Nitrosodi-n-propylamine	1.28	0.34	mg/Kg wet	1.67		76.9	40-140			
Pentachloronitrobenzene	1.58	0.34	mg/Kg wet	1.67		94.7	40-140			V-16
Pentachlorophenol	1.34	0.34	mg/Kg wet	1.67		80.3	30-130			
Phenanthrene	1.40	0.17	mg/Kg wet	1.67		84.1	40-140			
Phenol	1.28	0.34	mg/Kg wet	1.67		76.6	20-130			
Pyrene	1.47	0.17	mg/Kg wet	1.67		87.9	40-140			
Pyridine	0.939	0.34	mg/Kg wet	1.67		56.3	10-140			†
1,2,4,5-Tetrachlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140			
1,2,4-Trichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.8	40-140			
2,4,5-Trichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3	30-130			
2,4,6-Trichlorophenol	1.31	0.34	mg/Kg wet	1.67		78.7	30-130			
Surrogate: 2-Fluorophenol	*5.31*		mg/Kg wet	6.67		79.6	30-130			
Surrogate: Phenol-d6	*5.00*		mg/Kg wet	6.67		75.0	30-130			
Surrogate: Nitrobenzene-d5	*2.51*		mg/Kg wet	3.33		75.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.57*		mg/Kg wet	3.33		77.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.62*		mg/Kg wet	6.67		84.3	30-130			
Surrogate: p-Terphenyl-d14	*3.03*		mg/Kg wet	3.33		90.8	30-130			
LCS Dup (B079986-BSD1)				Prepared & Analyzed: 09/03/13						
Acenaphthene	1.36	0.17	mg/Kg wet	1.67		81.4	40-140	0.392	30	
Acenaphthylene	1.35	0.17	mg/Kg wet	1.67		81.1	40-140	0.222	30	
Aniline	1.09	0.34	mg/Kg wet	1.67		65.4	40-140	7.69	50	† ‡
Anthracene	1.42	0.17	mg/Kg wet	1.67		85.0	40-140	1.47	30	
Benzo(a)anthracene	1.41	0.17	mg/Kg wet	1.67		84.5	40-140	1.50	30	
Benzo(a)pyrene	1.51	0.17	mg/Kg wet	1.67		90.6	40-140	0.531	30	
Benzo(b)fluoranthene	1.56	0.17	mg/Kg wet	1.67		93.4	40-140	3.42	30	
Benzo(g,h,i)perylene	0.780	0.17	mg/Kg wet	1.67		46.8	40-140	20.9	30	
Benzo(k)fluoranthene	1.66	0.17	mg/Kg wet	1.67		99.6	40-140	4.02	30	
Bis(2-chloroethoxy)methane	1.38	0.34	mg/Kg wet	1.67		82.5	40-140	2.16	30	

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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 B079986 - SW-846 3546												
LCS Dup (B079986-BSD1)				Prepared & Analyzed: 09/03/13								
Bis(2-chloroethyl)ether	1.43	0.34	mg/Kg wet	1.67		85.9		40-140	1.62	30		
Bis(2-chloroisopropyl)ether	1.34	0.34	mg/Kg wet	1.67		80.5		40-140	1.02	30		
Bis(2-Ethylhexyl)phthalate	1.42	0.34	mg/Kg wet	1.67		84.9		40-140	4.56	30		
4-Bromophenylphenylether	1.38	0.34	mg/Kg wet	1.67		83.0		40-140	3.29	30		
Butylbenzylphthalate	1.53	0.34	mg/Kg wet	1.67		92.1		40-140	0.628	30		
Carbazole	1.48	0.17	mg/Kg wet	1.67		89.0		40-140	1.02	30		
4-Chloroaniline	0.515	0.66	mg/Kg wet	1.67		**30.9**	*	40-140	18.4	30	L-04	†
4-Chloro-3-methylphenol	1.33	0.66	mg/Kg wet	1.67		79.8		30-130	5.46	30		
2-Chloronaphthalene	1.28	0.34	mg/Kg wet	1.67		76.6		40-140	6.64	30		
2-Chlorophenol	1.36	0.34	mg/Kg wet	1.67		81.3		30-130	2.99	30		
4-Chlorophenylphenylether	1.42	0.34	mg/Kg wet	1.67		85.2		40-140	1.51	30		
Chrysene	1.49	0.17	mg/Kg wet	1.67		89.3		40-140	0.558	30		
Dibenz(a,h)anthracene	0.959	0.17	mg/Kg wet	1.67		57.6		40-140	18.2	30		
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.6		40-140	2.08	30		
Di-n-butylphthalate	1.51	0.34	mg/Kg wet	1.67		90.8		40-140	3.99	30		
3,3-Dichlorobenzidine	1.07	0.17	mg/Kg wet	1.67		64.3		40-140	5.01	30		† ‡
2,4-Dichlorophenol	1.33	0.34	mg/Kg wet	1.67		79.9		30-130	5.45	30		
Diethylphthalate	1.43	0.34	mg/Kg wet	1.67		85.6		40-140	3.71	30		
2,4-Dimethylphenol	1.48	0.34	mg/Kg wet	1.67		88.8		30-130	2.09	30		
Dimethylphthalate	1.47	0.34	mg/Kg wet	1.67		88.2		40-140	3.86	50		
4,6-Dinitro-2-methylphenol	1.38	0.34	mg/Kg wet	1.67		82.8		30-130	6.92	50		
2,4-Dinitrophenol	0.910	0.66	mg/Kg wet	1.67		54.6		30-130	8.79	50	V-19	
2,4-Dinitrotoluene	1.46	0.34	mg/Kg wet	1.67		87.9		40-140	8.84	30		
2,6-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.3		40-140	5.70	30		
Di-n-octylphthalate	1.76	0.67	mg/Kg wet	1.67		105		40-140	3.61	30		
Fluoranthene	1.46	0.17	mg/Kg wet	1.67		87.8		40-140	2.32	30		
Fluorene	1.36	0.17	mg/Kg wet	1.67		81.6		40-140	2.25	30		
Hexachlorobenzene	1.47	0.34	mg/Kg wet	1.67		87.9		40-140	3.46	30		
Hexachlorobutadiene	1.39	0.34	mg/Kg wet	1.67		83.7		40-140	0.119	30		
Hexachlorocyclopentadiene	0.905	0.34	mg/Kg wet	1.67		54.3		30-140	7.10	50		
Hexachloroethane	1.30	0.34	mg/Kg wet	1.67		78.3		40-140	1.42	50		
Indeno(1,2,3-cd)pyrene	0.923	0.17	mg/Kg wet	1.67		55.4		40-140	19.5	50		
Isophorone	1.31	0.34	mg/Kg wet	1.67		78.6		40-140	0.433	30		
2-Methylnaphthalene	1.30	0.17	mg/Kg wet	1.67		77.8		40-140	0.438	30		
2-Methylphenol	1.37	0.34	mg/Kg wet	1.67		82.0		30-130	9.28	30		
3/4-Methylphenol	1.40	0.34	mg/Kg wet	1.67		83.7		30-130	10.6	30		
Naphthalene	1.29	0.17	mg/Kg wet	1.67		77.3		40-140	0.593	30		
2-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		70.8		40-140	10.7	30		
3-Nitroaniline	1.07	0.34	mg/Kg wet	1.67		64.4		40-140	7.80	30		†
4-Nitroaniline	1.21	0.34	mg/Kg wet	1.67		72.8		40-140	14.8	30		
Nitrobenzene	1.24	0.34	mg/Kg wet	1.67		74.4		40-140	0.242	30		
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.2		30-130	2.49	30		
4-Nitrophenol	1.18	0.66	mg/Kg wet	1.67		70.9		10-130	11.5	50		‡
N-Nitrosodiphenylamine	1.68	0.34	mg/Kg wet	1.67		101		40-140	0.996	30		
N-Nitrosodi-n-propylamine	1.33	0.34	mg/Kg wet	1.67		79.9		40-140	3.80	30		
Pentachloronitrobenzene	1.56	0.34	mg/Kg wet	1.67		93.8		40-140	0.976	30	V-16	
Pentachlorophenol	1.39	0.34	mg/Kg wet	1.67		83.6		30-130	4.00	50		
Phenanthrene	1.37	0.17	mg/Kg wet	1.67		82.4		40-140	2.09	30		
Phenol	1.21	0.34	mg/Kg wet	1.67		72.8		20-130	5.09	30		
Pyrene	1.52	0.17	mg/Kg wet	1.67		91.0		40-140	3.42	30		
Pyridine	0.982	0.34	mg/Kg wet	1.67		58.9		10-140	4.55	50		†
1,2,4,5-Tetrachlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.0		40-140	1.72	30		

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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 B079986 - SW-846 3546										
LCS Dup (B079986-BSD1)				Prepared & Analyzed: 09/03/13						
1,2,4-Trichlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.4	40-140	0.715	30	
2,4,5-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.5	30-130	8.63	30	
2,4,6-Trichlorophenol	1.36	0.34	mg/Kg wet	1.67		81.4	30-130	3.47	50	
Surrogate: 2-Fluorophenol	*5.33*		mg/Kg wet	6.67		79.9	30-130			
Surrogate: Phenol-d6	*5.01*		mg/Kg wet	6.67		75.2	30-130			
Surrogate: Nitrobenzene-d5	*2.50*		mg/Kg wet	3.33		74.9	30-130			
Surrogate: 2-Fluorobiphenyl	*2.45*		mg/Kg wet	3.33		73.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.09*		mg/Kg wet	6.67		91.4	30-130			
Surrogate: p-Terphenyl-d14	*3.06*		mg/Kg wet	3.33		91.9	30-130			
Batch B080086 - SW-846 3510C										
Blank (B080086-BLK1)				Prepared: 09/04/13 Analyzed: 09/05/13						
Acenaphthene	ND	5.0	µg/L							R-05
Acenaphthylene	ND	5.0	µg/L							R-05
Aniline	ND	5.0	µg/L							
Anthracene	ND	5.0	µg/L							R-05
Benzo(a)anthracene	ND	5.0	µg/L							R-05
Benzo(a)pyrene	ND	5.0	µg/L							R-05
Benzo(b)fluoranthene	ND	5.0	µg/L							R-05
Benzo(g,h,i)perylene	ND	5.0	µg/L							R-05
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							R-05
4-Bromophenylphenylether	ND	10	µg/L							R-05
Butylbenzylphthalate	ND	10	µg/L							R-05
Carbazole	ND	10	µg/L							R-05
4-Chloroaniline	ND	10	µg/L							R-05
4-Chloro-3-methylphenol	ND	10	µg/L							R-05
2-Chloronaphthalene	ND	10	µg/L							R-05
2-Chlorophenol	ND	10	µg/L							
4-Chlorophenylphenylether	ND	10	µg/L							R-05
Chrysene	ND	5.0	µg/L							R-05
Dibenz(a,h)anthracene	ND	5.0	µg/L							R-05
Dibenzofuran	ND	5.0	µg/L							R-05
Di-n-butylphthalate	ND	10	µg/L							
3,3-Dichlorobenzidine	ND	10	µg/L							R-05
2,4-Dichlorophenol	ND	10	µg/L							R-05
Diethylphthalate	ND	10	µg/L							
2,4-Dimethylphenol	ND	10	µg/L							
Dimethylphthalate	ND	10	µg/L							
4,6-Dinitro-2-methylphenol	ND	10	µg/L							
2,4-Dinitrophenol	ND	10	µg/L							V-19
2,4-Dinitrotoluene	ND	10	µg/L							R-05
2,6-Dinitrotoluene	ND	10	µg/L							R-05
Di-n-octylphthalate	ND	10	µg/L							
Fluoranthene	ND	5.0	µg/L							R-05
Fluorene	ND	5.0	µg/L							R-05
Hexachlorobenzene	ND	10	µg/L							
Hexachlorobutadiene	ND	10	µg/L							
Hexachlorocyclopentadiene	ND	10	µg/L							

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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 B080086 - SW-846 3510C											
Blank (B080086-BLK1)				Prepared: 09/04/13 Analyzed: 09/05/13							
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							R-05	
3/4-Methylphenol	ND	10	µg/L							R-05	
Naphthalene	ND	5.0	µg/L								
2-Nitroaniline	ND	10	µg/L							R-05	
3-Nitroaniline	ND	10	µg/L							R-05	
4-Nitroaniline	ND	10	µg/L							R-05	
Nitrobenzene	ND	10	µg/L								
2-Nitrophenol	ND	10	µg/L								
4-Nitrophenol	ND	10	µg/L							V-05	
N-Nitrosodiphenylamine	ND	10	µg/L							R-05	
N-Nitrosodi-n-propylamine	ND	10	µg/L								
Pentachloronitrobenzene	ND	10	µg/L							V-16	
Pentachlorophenol	ND	10	µg/L								
Phenanthrene	ND	5.0	µg/L							R-05	
Phenol	ND	10	µg/L							R-05	
Pyrene	ND	5.0	µg/L							R-05	
Pyridine	ND	5.0	µg/L								
1,2,4,5-Tetrachlorobenzene	ND	10	µg/L							R-05	
1,2,4-Trichlorobenzene	ND	5.0	µg/L								
2,4,5-Trichlorophenol	ND	10	µg/L							R-05	
2,4,6-Trichlorophenol	ND	10	µg/L								
Surrogate: 2-Fluorophenol	*118*		µg/L	200		59.1	15-110				
Surrogate: Phenol-d6	*90.2*		µg/L	200		45.1	15-110				
Surrogate: Nitrobenzene-d5	*93.6*		µg/L	100		93.6	30-130				
Surrogate: 2-Fluorobiphenyl	*91.6*		µg/L	100		91.6	30-130				
Surrogate: 2,4,6-Tribromophenol	*223*		µg/L	200		**112**	* 15-110			S-07	
Surrogate: p-Terphenyl-d14	*105*		µg/L	100		105	30-130				
LCS (B080086-BS2)				Prepared: 09/04/13 Analyzed: 09/05/13							
Acenaphthene	46.1	5.0	µg/L	50.0		92.3	40-140			R-05	
Acenaphthylene	45.2	5.0	µg/L	50.0		90.4	40-140			R-05	
Aniline	37.0	5.0	µg/L	50.0		74.1	40-140				†
Anthracene	44.0	5.0	µg/L	50.0		88.1	40-140			R-05	
Benzo(a)anthracene	47.6	5.0	µg/L	50.0		95.2	40-140			R-05	
Benzo(a)pyrene	48.8	5.0	µg/L	50.0		97.6	40-140			R-05	
Benzo(b)fluoranthene	52.0	5.0	µg/L	50.0		104	40-140			R-05	
Benzo(g,h,i)perylene	33.3	5.0	µg/L	50.0		66.6	40-140			R-05	
Benzo(k)fluoranthene	50.1	5.0	µg/L	50.0		100	40-140				
Bis(2-chloroethoxy)methane	46.1	10	µg/L	50.0		92.2	40-140				
Bis(2-chloroethyl)ether	48.3	10	µg/L	50.0		96.5	40-140				
Bis(2-chloroisopropyl)ether	45.2	10	µg/L	50.0		90.3	40-140				
Bis(2-Ethylhexyl)phthalate	49.4	10	µg/L	50.0		98.7	40-140			R-05	
4-Bromophenylphenylether	46.9	10	µg/L	50.0		93.8	40-140			R-05	
Butylbenzylphthalate	49.4	10	µg/L	50.0		98.7	40-140			R-05	
Carbazole	48.5	10	µg/L	50.0		97.0	40-140			R-05	
4-Chloroaniline	39.0	10	µg/L	50.0		78.0	40-140			R-05	†
4-Chloro-3-methylphenol	41.5	10	µg/L	50.0		83.0	30-130			R-05	
2-Chloronaphthalene	40.8	10	µg/L	50.0		81.7	40-140			R-05	

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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 B080086 - SW-846 3510C											
LCS (B080086-BS2)				Prepared: 09/04/13 Analyzed: 09/05/13							
2-Chlorophenol	42.8	10	µg/L	50.0		85.5	30-130				
4-Chlorophenylphenylether	46.9	10	µg/L	50.0		93.7	40-140			R-05	
Chrysene	49.3	5.0	µg/L	50.0		98.6	40-140			R-05	
Dibenz(a,h)anthracene	37.0	5.0	µg/L	50.0		74.1	40-140			R-05	
Dibenzofuran	43.6	5.0	µg/L	50.0		87.1	40-140			R-05	
Di-n-butylphthalate	46.5	10	µg/L	50.0		93.0	40-140				
3,3-Dichlorobenzidine	43.1	10	µg/L	50.0		86.3	40-140			R-05	†
2,4-Dichlorophenol	45.0	10	µg/L	50.0		89.9	30-130			R-05	
Diethylphthalate	48.4	10	µg/L	50.0		96.9	40-140				
2,4-Dimethylphenol	50.1	10	µg/L	50.0		100	30-130				
Dimethylphthalate	49.9	10	µg/L	50.0		99.7	40-140				
4,6-Dinitro-2-methylphenol	48.9	10	µg/L	50.0		97.8	30-130				
2,4-Dinitrophenol	48.3	10	µg/L	50.0		96.5	30-130			V-19	
2,4-Dinitrotoluene	49.1	10	µg/L	50.0		98.3	40-140			R-05	
2,6-Dinitrotoluene	49.7	10	µg/L	50.0		99.4	40-140			R-05	
Di-n-octylphthalate	56.6	10	µg/L	50.0		113	40-140				
Fluoranthene	44.9	5.0	µg/L	50.0		89.9	40-140			R-05	
Fluorene	45.8	5.0	µg/L	50.0		91.5	40-140			R-05	
Hexachlorobenzene	49.2	10	µg/L	50.0		98.4	40-140				
Hexachlorobutadiene	42.8	10	µg/L	50.0		85.6	40-140				
Hexachlorocyclopentadiene	33.8	10	µg/L	50.0		67.6	30-140				
Hexachloroethane	38.9	10	µg/L	50.0		77.8	40-140				
Indeno(1,2,3-cd)pyrene	38.2	5.0	µg/L	50.0		76.3	40-140				
Isophorone	46.1	10	µg/L	50.0		92.2	40-140				
2-Methylnaphthalene	42.3	5.0	µg/L	50.0		84.6	40-140				
2-Methylphenol	42.6	10	µg/L	50.0		85.1	30-130			R-05	
3/4-Methylphenol	32.4	10	µg/L	50.0		64.7	30-130			R-05	
Naphthalene	42.2	5.0	µg/L	50.0		84.5	40-140				
2-Nitroaniline	39.3	10	µg/L	50.0		78.5	40-140			R-05	
3-Nitroaniline	43.2	10	µg/L	50.0		86.4	40-140			R-05	†
4-Nitroaniline	36.0	10	µg/L	50.0		72.0	40-140			R-05	
Nitrobenzene	40.9	10	µg/L	50.0		81.8	40-140				
2-Nitrophenol	48.4	10	µg/L	50.0		96.8	30-130				
4-Nitrophenol	24.4	10	µg/L	50.0		48.9	10-130			V-05	
N-Nitrosodiphenylamine	55.6	10	µg/L	50.0		111	40-140			R-05	
N-Nitrosodi-n-propylamine	44.4	10	µg/L	50.0		88.9	40-140				
Pentachloronitrobenzene	51.8	10	µg/L	50.0		104	40-140			V-16	
Pentachlorophenol	42.4	10	µg/L	50.0		84.8	30-130				
Phenanthrene	50.9	5.0	µg/L	50.0		102	40-140			R-05	
Phenol	20.5	10	µg/L	50.0		40.9	20-130			R-05	
Pyrene	48.8	5.0	µg/L	50.0		97.6	40-140			R-05	
Pyridine	28.1	5.0	µg/L	50.0		56.2	10-140				†
1,2,4,5-Tetrachlorobenzene	44.8	10	µg/L	50.0		89.7	40-140			R-05	
1,2,4-Trichlorobenzene	43.0	5.0	µg/L	50.0		85.9	40-140				
2,4,5-Trichlorophenol	40.8	10	µg/L	50.0		81.5	30-130			R-05	
2,4,6-Trichlorophenol	46.4	10	µg/L	50.0		92.7	30-130				
Surrogate: 2-Fluorophenol	*125*		µg/L	200		62.3	15-110				
Surrogate: Phenol-d6	*81.2*		µg/L	200		40.6	15-110				
Surrogate: Nitrobenzene-d5	*83.5*		µg/L	100		83.5	30-130				
Surrogate: 2-Fluorobiphenyl	*81.8*		µg/L	100		81.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*209*		µg/L	200		105	15-110				
Surrogate: p-Terphenyl-d14	*96.7*		µg/L	100		96.7	30-130				

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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 B080086 - SW-846 3510C												
LCS Dup (B080086-BSD2)				Prepared: 09/04/13 Analyzed: 09/05/13								
Acenaphthene	56.7	5.0	µg/L	50.0		113	40-140	**20.6**	*	20	R-05	
Acenaphthylene	56.6	5.0	µg/L	50.0		113	40-140	**22.5**	*	20	R-05	
Aniline	43.8	5.0	µg/L	50.0		87.5	40-140	16.7		50		† ‡
Anthracene	55.9	5.0	µg/L	50.0		112	40-140	**23.7**	*	20	R-05	
Benzo(a)anthracene	60.5	5.0	µg/L	50.0		121	40-140	**23.9**	*	20	R-05	
Benzo(a)pyrene	63.1	5.0	µg/L	50.0		126	40-140	**25.6**	*	20	R-05	
Benzo(b)fluoranthene	70.1	5.0	µg/L	50.0		140	40-140	**29.5**	*	20	R-05	
Benzo(g,h,i)perylene	50.8	5.0	µg/L	50.0		102	40-140	**41.7**	*	20	R-05	
Benzo(k)fluoranthene	59.4	5.0	µg/L	50.0		119	40-140	17.0		20		
Bis(2-chloroethoxy)methane	52.7	10	µg/L	50.0		105	40-140	13.4		20		
Bis(2-chloroethyl)ether	51.0	10	µg/L	50.0		102	40-140	5.60		20		
Bis(2-chloroisopropyl)ether	47.3	10	µg/L	50.0		94.5	40-140	4.59		20		
Bis(2-Ethylhexyl)phthalate	64.1	10	µg/L	50.0		128	40-140	**26.0**	*	20	R-05	
4-Bromophenylphenylether	60.5	10	µg/L	50.0		121	40-140	**25.3**	*	20	R-05	
Butylbenzylphthalate	62.5	10	µg/L	50.0		125	40-140	**23.5**	*	20	R-05	
Carbazole	60.2	10	µg/L	50.0		120	40-140	**21.6**	*	20	R-05	
4-Chloroaniline	51.8	10	µg/L	50.0		104	40-140	**28.3**	*	20	R-05	†
4-Chloro-3-methylphenol	51.7	10	µg/L	50.0		103	30-130	**22.0**	*	20	R-05	
2-Chloronaphthalene	55.7	10	µg/L	50.0		111	40-140	**30.8**	*	20	R-05	
2-Chlorophenol	48.6	10	µg/L	50.0		97.2	30-130	12.8		20		
4-Chlorophenylphenylether	60.2	10	µg/L	50.0		120	40-140	**24.9**	*	20	R-05	
Chrysene	62.0	5.0	µg/L	50.0		124	40-140	**22.9**	*	20	R-05	
Dibenz(a,h)anthracene	55.9	5.0	µg/L	50.0		112	40-140	**40.5**	*	20	R-05	
Dibenzofuran	57.3	5.0	µg/L	50.0		115	40-140	**27.3**	*	20	R-05	
Di-n-butylphthalate	51.8	10	µg/L	50.0		104	40-140	10.8		20		
3,3-Dichlorobenzidine	58.8	10	µg/L	50.0		118	40-140	**30.8**	*	20	R-05	† ‡
2,4-Dichlorophenol	55.3	10	µg/L	50.0		111	30-130	**20.6**	*	20	R-05	
Diethylphthalate	56.6	10	µg/L	50.0		113	40-140	15.5		20		
2,4-Dimethylphenol	59.3	10	µg/L	50.0		119	30-130	16.7		20		
Dimethylphthalate	58.9	10	µg/L	50.0		118	40-140	16.6		50		
4,6-Dinitro-2-methylphenol	61.0	10	µg/L	50.0		122	30-130	22.0		50		
2,4-Dinitrophenol	63.6	10	µg/L	50.0		127	30-130	27.5		50	V-19	
2,4-Dinitrotoluene	61.9	10	µg/L	50.0		124	40-140	**22.9**	*	20	R-05	
2,6-Dinitrotoluene	61.5	10	µg/L	50.0		123	40-140	**21.2**	*	20	R-05	
Di-n-octylphthalate	68.2	10	µg/L	50.0		136	40-140	18.7		20		
Fluoranthene	55.2	5.0	µg/L	50.0		110	40-140	**20.4**	*	20	R-05	
Fluorene	58.3	5.0	µg/L	50.0		117	40-140	**24.2**	*	20	R-05	
Hexachlorobenzene	59.6	10	µg/L	50.0		119	40-140	19.1		20		
Hexachlorobutadiene	46.1	10	µg/L	50.0		92.3	40-140	7.46		20		
Hexachlorocyclopentadiene	52.0	10	µg/L	50.0		104	30-140	42.4		50		
Hexachloroethane	36.3	10	µg/L	50.0		72.6	40-140	6.89		50		
Indeno(1,2,3-cd)pyrene	57.7	5.0	µg/L	50.0		115	40-140	40.8		50		
Isophorone	51.4	10	µg/L	50.0		103	40-140	10.8		20		
2-Methylnaphthalene	49.5	5.0	µg/L	50.0		99.1	40-140	15.7		20		
2-Methylphenol	52.3	10	µg/L	50.0		105	30-130	**20.5**	*	20	R-05	
3/4-Methylphenol	41.3	10	µg/L	50.0		82.6	30-130	**24.3**	*	20	R-05	
Naphthalene	48.7	5.0	µg/L	50.0		97.3	40-140	14.2		20		
2-Nitroaniline	55.8	10	µg/L	50.0		112	40-140	**34.9**	*	20	R-05	
3-Nitroaniline	62.3	10	µg/L	50.0		125	40-140	**36.2**	*	20	R-05	†
4-Nitroaniline	45.4	10	µg/L	50.0		90.8	40-140	**23.1**	*	20	R-05	
Nitrobenzene	49.2	10	µg/L	50.0		98.4	40-140	18.4		20		
2-Nitrophenol	58.7	10	µg/L	50.0		117	30-130	19.2		20		

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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 B080086 - SW-846 3510C													
LCS Dup (B080086-BSD2)				Prepared: 09/04/13 Analyzed: 09/05/13									
4-Nitrophenol	32.1	10	µg/L	50.0		64.2		10-130	27.1		50	V-05	‡
N-Nitrosodiphenylamine	73.6	10	µg/L	50.0		**147**	*	40-140	**28.0**	*	20	L-07A	
N-Nitrosodi-n-propylamine	50.2	10	µg/L	50.0		100		40-140	12.2		20		
Pentachloronitrobenzene	62.6	10	µg/L	50.0		125		40-140	18.7		20	V-16	
Pentachlorophenol	46.0	10	µg/L	50.0		91.9		30-130	8.01		50		
Phenanthrene	63.3	5.0	µg/L	50.0		127		40-140	**21.6**	*	20	R-05	
Phenol	25.6	10	µg/L	50.0		51.2		20-130	**22.3**	*	20	R-05	
Pyrene	63.9	5.0	µg/L	50.0		128		40-140	**26.7**	*	20	R-05	
Pyridine	19.9	5.0	µg/L	50.0		39.8		10-140	34.2		50		†
1,2,4,5-Tetrachlorobenzene	55.8	10	µg/L	50.0		112		40-140	**21.8**	*	20	R-05	
1,2,4-Trichlorobenzene	48.1	5.0	µg/L	50.0		96.1		40-140	11.2		20		
2,4,5-Trichlorophenol	55.7	10	µg/L	50.0		111		30-130	**31.0**	*	20	R-05	
2,4,6-Trichlorophenol	57.8	10	µg/L	50.0		116		30-130	21.9		50		
Surrogate: 2-Fluorophenol	*122*		µg/L	200		61.1		15-110					
Surrogate: Phenol-d6	*99.5*		µg/L	200		49.7		15-110					
Surrogate: Nitrobenzene-d5	*97.7*		µg/L	100		97.7		30-130					
Surrogate: 2-Fluorobiphenyl	*102*		µg/L	100		102		30-130					
Surrogate: 2,4,6-Tribromophenol	*254*		µg/L	200		**127**	*	15-110				S-07	
Surrogate: p-Terphenyl-d14	*119*		µg/L	100		119		30-130					

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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 B080050 - SW-846 3510C										
Blank (B080050-BLK2)				Prepared: 09/03/13 Analyzed: 09/05/13						
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	*1.96*		µg/L	2.00		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.04*		µg/L	2.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/L	2.00		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.94*		µg/L	2.00		97.0	30-150			
LCS (B080050-BS1)				Prepared: 09/03/13 Analyzed: 09/05/13						
Aroclor-1016	0.56	0.20	µg/L	0.500		111	40-140			
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140			
Aroclor-1260	0.53	0.20	µg/L	0.500		106	40-140			
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		105	40-140			
Surrogate: Decachlorobiphenyl	*1.80*		µg/L	2.00		89.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.88*		µg/L	2.00		93.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.70*		µg/L	2.00		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.81*		µg/L	2.00		90.7	30-150			
LCS Dup (B080050-BSD1)				Prepared: 09/03/13 Analyzed: 09/05/13						
Aroclor-1016	0.55	0.20	µg/L	0.500		109	40-140	1.99	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140	0.134	20	
Aroclor-1260	0.53	0.20	µg/L	0.500		106	40-140	0.0511	20	
Aroclor-1260 [2C]	0.52	0.20	µg/L	0.500		105	40-140	0.714	20	
Surrogate: Decachlorobiphenyl	*2.11*		µg/L	2.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.23*		µg/L	2.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/L	2.00		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.94*		µg/L	2.00		96.9	30-150			

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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 B080113 - SW-846 3546										
Blank (B080113-BLK1)				Prepared: 09/04/13 Analyzed: 09/05/13						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg wet	0.200		98.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.186*		mg/Kg wet	0.200		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.208*		mg/Kg wet	0.200		104	30-150			
LCS (B080113-BS1)				Prepared: 09/04/13 Analyzed: 09/05/13						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		103	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		115	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		97.2	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.195*		mg/Kg wet	0.200		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
LCS Dup (B080113-BSD1)				Prepared: 09/04/13 Analyzed: 09/05/13						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		112	40-140	8.95	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg wet	0.200		124	40-140	7.65	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		105	40-140	7.77	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		115	40-140	7.16	30	
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.209*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg wet	0.200		110	30-150			

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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 B080113 - SW-846 3546										
Matrix Spike (B080113-MS1)	**Source: 13H1191-08**			Prepared: 09/04/13 Analyzed: 09/05/13						
Aroclor-1016	0.21	0.11	mg/Kg dry	0.222	ND	93.4	40-140			
Aroclor-1016 [2C]	0.23	0.11	mg/Kg dry	0.222	ND	102	40-140			
Aroclor-1260	0.18	0.11	mg/Kg dry	0.222	ND	79.3	40-140			
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.222	ND	87.4	40-140			
Surrogate: Decachlorobiphenyl	*0.172*		mg/Kg dry	0.222		77.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg dry	0.222		83.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.191*		mg/Kg dry	0.222		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.204*		mg/Kg dry	0.222		91.9	30-150			
Matrix Spike Dup (B080113-MSD1)	**Source: 13H1191-08**			Prepared: 09/04/13 Analyzed: 09/05/13						
Aroclor-1016	0.18	0.11	mg/Kg dry	0.213	ND	85.8	40-140	12.3	30	
Aroclor-1016 [2C]	0.20	0.11	mg/Kg dry	0.213	ND	95.4	40-140	10.7	30	
Aroclor-1260	0.16	0.11	mg/Kg dry	0.213	ND	74.7	40-140	9.79	30	
Aroclor-1260 [2C]	0.18	0.11	mg/Kg dry	0.213	ND	82.5	40-140	9.62	30	
Surrogate: Decachlorobiphenyl	*0.142*		mg/Kg dry	0.213		66.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.155*		mg/Kg dry	0.213		72.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg dry	0.213		75.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg dry	0.213		81.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080105 - SW-846 3546										
Blank (B080105-BLK1)				Prepared & Analyzed: 09/04/13						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*1.97*		mg/Kg wet	3.33		59.2	50-150			
LCS (B080105-BS1)				Prepared & Analyzed: 09/04/13						
CT ETPH	21.7	10	mg/Kg wet	33.3		65.2	60-120			
Surrogate: o-Terphenyl	*1.92*		mg/Kg wet	3.33		57.6	50-150			
LCS Dup (B080105-BSD1)				Prepared & Analyzed: 09/04/13						
CT ETPH	21.7	10	mg/Kg wet	33.3		65.1	60-120	0.194	30	
Surrogate: o-Terphenyl	*2.02*		mg/Kg wet	3.33		60.6	50-150			
Matrix Spike (B080105-MS1)	**Source: 13H1191-06**			Prepared: 09/04/13 Analyzed: 09/05/13						
CT ETPH	33.0	10	mg/Kg dry	34.3	12.3	60.3	50-150			
Surrogate: o-Terphenyl	*2.20*		mg/Kg dry	3.43		64.1	50-150			
Matrix Spike Dup (B080105-MSD1)	**Source: 13H1191-06**			Prepared: 09/04/13 Analyzed: 09/05/13						
CT ETPH	30.8	10	mg/Kg dry	34.3	12.3	54.0	50-150	6.76	30	
Surrogate: o-Terphenyl	*2.01*		mg/Kg dry	3.43		58.4	50-150			
Batch B080307 - SW-846 3510C										
Blank (B080307-BLK1)				Prepared: 09/06/13 Analyzed: 09/09/13						
CT ETPH	ND	0.075	mg/L							
Surrogate: o-Terphenyl	*0.0748*		mg/L	0.100		74.8	50-150			
LCS (B080307-BS1)				Prepared: 09/06/13 Analyzed: 09/09/13						
CT ETPH	0.874	0.075	mg/L	1.00		87.4	60-120			
Surrogate: o-Terphenyl	*0.0789*		mg/L	0.100		78.9	50-150			
LCS Dup (B080307-BSD1)				Prepared: 09/06/13 Analyzed: 09/09/13						
CT ETPH	0.785	0.075	mg/L	1.00		78.5	60-120	10.8	30	
Surrogate: o-Terphenyl	*0.0733*		mg/L	0.100		73.3	50-150			

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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 B080316 - % Solids										
Duplicate (B080316-DUP4)	**Source: 13H1191-05**		Prepared: 09/07/13 Analyzed: 09/09/13							
% Solids	90.6		% Wt		89.9			0.776	20	

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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.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
E	Reported result is estimated. Value reported over verified calibration range.
L-01	Laboratory fortified blank /laboratory control sample 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.
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low 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-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.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
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-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
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.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC
SW-846 8260C in Soil	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NH,NY,ME
Benzene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Bromobenzene	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	CT,NH,NY,ME
sec-Butylbenzene	CT,NH,NY,ME
tert-Butylbenzene	CT,NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	CT,NH,NY,ME
4-Chlorotoluene	CT,NH,NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NH,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	CT,NH,NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NH,NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	CT,NH,NY,ME
p-Isopropyltoluene (p-Cymene)	NH,NY
Methyl tert-Butyl Ether (MTBE)	NY
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY,ME
n-Propylbenzene	NH,NY
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Soil	
Toluene	CT,NH,NY,ME
1,2,4-Trichlorobenzene	NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	CT,NH,NY,ME
1,3,5-Trimethylbenzene	CT,NH,NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
Acrylonitrile	CT,NY,ME
Benzene	CT,NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME
Bromoform	CT,NH,NY,ME
Bromomethane	CT,NH,NY,ME
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME
tert-Butylbenzene	NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME
Chlorobenzene	CT,NH,NY,ME
Chlorodibromomethane	CT,NH,NY,ME
Chloroethane	CT,NH,NY,ME
Chloroform	CT,NH,NY,ME
Chloromethane	CT,NH,NY,ME
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME
1,3-Dichlorobenzene	CT,NH,NY,ME
1,4-Dichlorobenzene	CT,NH,NY,ME
trans-1,4-Dichloro-2-butene	NH,NY,ME
Dichlorodifluoromethane (Freon 12)	NH,NY,ME
1,1-Dichloroethane	CT,NH,NY,ME
1,2-Dichloroethane	CT,NH,NY,ME
1,1-Dichloroethylene	CT,NH,NY,ME
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME
1,2-Dichloropropane	CT,NH,NY,ME
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME
trans-1,3-Dichloropropene	CT,NH,NY,ME
Ethylbenzene	CT,NH,NY,ME
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME
Tetrachloroethylene	CT,NH,NY,ME
Toluene	CT,NH,NY,ME
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME
1,1,2-Trichloroethane	CT,NH,NY,ME
Trichloroethylene	CT,NH,NY,ME
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME
1,2,3-Trichloropropane	NH,NY,ME
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME
m+p Xylene	CT,NH,NY,ME
o-Xylene	CT,NH,NY,ME
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	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
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
Pyridine	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH
SW-846 8270D in Water	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Aniline	CT,NY
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
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Water	
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

13H1191

CHAIN OF CUSTODY RECORD

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 2

Rev 04.05.12

Company Name: Loureiro Eng. Assoc.
Address: 100 Northwest Dr
Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project #: 18HM501.006
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #:
Email: DJHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	SVOC's 8270	PCB's	CT ETPH	VOC's 8260	RCRA 8 Cu,Ni,Zn	Hold	# of Containers
-01	1287473	8/30/13	1300		✓	W		✓	✓	✓				
-02	1287469		1301		✓	W		✓	✓	✓				
-03	1287472		0930		✓	S					✓			
-04	1287471		1302		✓	W					✓			
-05	1287455		1221		✓	S		✓	✓	✓				
-06	1287454		1235		✓	S		✓	✓	✓				
-07	1287453		1230		✓	S		✓	✓	✓				
-08	1287452		1225		✓	S		✓	✓	✓				
-09	1287451		1220		✓	S		✓	✓	✓				
-10	1287450		1040		✓	S		✓	✓	✓				

ANALYSIS REQUESTED

** Preservation
*** Container Co
Dissolved Meta
○ 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 bisulf
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

Comments:

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)	8/30/13	Date/Time:
Received by: (signature)	8/30/13	Date/Time: 1pm
Relinquished by: (signature)	8/30/13	Date/Time: 1655
Received by: (signature) 5-8°	8/30/13	Date/Time: 1655

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required 8/30/13 1800 in
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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13H1191

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Rev 04.05.12

Company Name: Loureiro Eng. Assoc
Address: 100 Northwest Dr. Plainville CT
Attention: Dan Hagen
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 410 6181
Project #: 18HM301.006
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #:
Email: DJHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	SVOC's 8270	PCB's	CT ETPH	Hold
-11	1287449	8/30/13	1035		✓	S		✓	✓	✓	
-12	1287448	↓	1030		✓	S		✓	✓	✓	
-13	1287447	↓	1025		✓	S		✓	✓	✓	

# 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

Comments: [signature] 8/30/13

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:
Received by: (signature) [signature] 8/30/13	Date/Time: 1pm
Relinquished by: (signature) [signature] 8/30/13	Date/Time: 1655
Received by: (signature) [signature] 5.8° 8/30/13	Date/Time: 1655

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist



CLIENT NAME: LEA RECEIVED BY: JMM DATE: 8/30/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

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 _____ Temperature °C by Temp gun 5.8°C

5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____

9) **Do all samples have the proper Base pH:** Yes No (N/A) _____

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	6	8 oz amber/clear jar	9
500 mL Amber		4 oz amber/clear jar	9
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic	1	Plastic Bag / Ziploc	
40 mL Vial - type listed below	6	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments: 435 top and jar 451 top and jar > Flip Flopped

40 mL vials: # HCl 3 # Methanol 1
Bisulfate _____ # DI Water 2
Thiosulfate _____ Unpreserved

Time and Date Frozen: 8/30/13 1800 in

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/5/13
Data File Name	A0905054.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	475366	461641	3
c - 10	1.56	494217	461641	7
c - 12	2.30	481712	461641	4
c - 14	2.97	477328	461641	3
c - 16	3.58	461806	461641	0
c - 18	4.19	462645	461641	0
o-Terphenyl	4.47	620856	461641	
c - 20	4.81	453967	461641	-2
c - 22	5.32	452782	461641	-2
c - 24	5.76	455776	461641	-1
c - 26	6.16	461503	461641	0
c - 28	6.52	462879	461641	0
c - 30	6.86	462647	461641	0
c - 32	7.17	444072	461641	-4
c - 34	7.47	438261	461641	-5
c - 36	7.78	439657	461641	-5

* One compound allowed %D </= 50%

Samples

13H1191-06
13H1191-07
13H1191-08
13H1191-09
13H1191-11
13H1191-05
13H1191-10@10X

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/5/13
Data File Name	A0905055.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.24	364877	371597	-2
c - 10	1.59	382495	371597	3
c - 12	2.31	378817	371597	2
c - 14	2.98	383257	371597	3
c - 16	3.57	379189	371597	2
c - 18	4.17	384472	371597	3
o-Terphenyl	4.45	515505	371597	
c - 20	4.78	379392	371597	2
c - 22	5.29	376233	371597	1
c - 24	5.73	373261	371597	0
c - 26	6.12	370424	371597	0
c - 28	6.48	365593	371597	-2
c - 30	6.82	365026	371597	-2
c - 32	7.13	356382	371597	-4
c - 34	7.42	356547	371597	-4
c - 36	7.72	357988	371597	-4

* One compound allowed %D </= 50%

Samples

13H1191-12@10X
13H1191-13@10X

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/9/13
Data File Name	A0909010.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	439461	422222	4
c - 10	1.56	455607	422222	8
c - 12	2.30	449828	422222	7
c - 14	2.97	456939	422222	8
c - 16	3.58	457744	422222	8
c - 18	4.19	469442	422222	11
o-Terphenyl	4.47	650113	422222	
c - 20	4.81	461805	422222	9
c - 22	5.32	447828	422222	6
c - 24	5.76	433099	422222	3
c - 26	6.16	426101	422222	1
c - 28	6.52	419758	422222	-1
c - 30	6.86	412864	422222	-2
c - 32	7.17	386334	422222	-8
c - 34	7.46	349296	422222	-17
c - 36	7.78	267227	422222	-37

* One compound allowed %D </= 50%

Samples

13H1191-01
13H1191-02
13I0122-18
13I0088-01

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: 240 Oral School Road, Mystic CT

Project Number: 13H1191

Laboratory Sample ID(s):

13H1191-01 thru 13H1191-13

Sample Date(s):

08/30/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 8082A, SW-846 8260C, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 09/09/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 13, 2013

Darby Hittle
Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062

Project Location: 240 Oral School Road, Mystic CT
Client Job Number:
Project Number: 18HM301.006
Laboratory Work Order Number: 13I0179

Enclosed are results of analyses for samples received by the laboratory on September 6, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa A. Worthington
Project Manager

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

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
ATTN: Darby Hittle

REPORT DATE: 9/13/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 18HM301.006

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0179

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 240 Oral School Road, Mystic CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1287320	13I0179-01	Soil		CTDEP ETPH SM 2540G SW-846 8270D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

CTDEP ETPH

Qualifications:

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:

o-Terphenyl

13I0179-01[1287320]

SW-846 8270D

Qualifications:

Elevated reporting limit due to matrix.

Analyte & Samples(s) Qualified:

13I0179-01[1287320]

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.

Analyte & Samples(s) Qualified:

Pentachloronitrobenzene

13I0179-01[1287320], B080462-BLK1, B080462-BS1, B080462-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, 4,6-Dinitro-2-methylphenol

B080462-BLK1, B080462-BS1, B080462-BSD1, 13I0179-01[1287320]

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SW-846 8270D

The LCS sample recoveries for required RCP 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 - limits between 10 and 180% depending on the compound (see QC summary for limits): 3,3’-Dichlorobenzidine, Pyridine, Aniline, 4-Chloroaniline, 3-Nitroaniline, and n-Nitrosodiphenylamine.

All reporting limits specified on the chain-of-custody were met, except for Pyridine, 1,2,4,5-Tetrachlorobenzene and Pentachloronitrobenzene for the most protective criteria since the laboratory cannot achieve the required RCP calibration criteria at these levels unless otherwise listed in this narrative.

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13I0179

Date Received: 9/6/2013

Field Sample #: 1287320 Sampled: 8/27/2013 12:30

Sample ID: 13I0179-01

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Acenaphthylene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Aniline	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Anthracene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Benzo(a)anthracene	1.6	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Benzo(a)pyrene	1.4	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Benzo(b)fluoranthene	2.0	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Benzo(g,h,i)perylene	0.54	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Benzo(k)fluoranthene	0.80	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Bis(2-chloroethoxy)methane	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Bis(2-chloroethyl)ether	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Bis(2-chloroisopropyl)ether	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Bis(2-Ethylhexyl)phthalate	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Bromophenylphenylether	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Butylbenzylphthalate	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Carbazole	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Chloroaniline	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Chloro-3-methylphenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2-Chloronaphthalene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2-Chlorophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Chlorophenylphenylether	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Chrysene	1.7	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Dibenz(a,h)anthracene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Dibenzofuran	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Di-n-butylphthalate	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
3,3-Dichlorobenzidine	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4-Dichlorophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Diethylphthalate	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4-Dimethylphenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Dimethylphthalate	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4,6-Dinitro-2-methylphenol	ND	0.88	mg/Kg dry	2	V-19	SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4-Dinitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4-Dinitrotoluene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,6-Dinitrotoluene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Di-n-octylphthalate	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Fluoranthene	3.0	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Fluorene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Hexachlorobenzene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Hexachlorobutadiene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Hexachlorocyclopentadiene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Hexachloroethane	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Indeno(1,2,3-cd)pyrene	0.60	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Isophorone	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2-Methylnaphthalene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13I0179

Date Received: 9/6/2013

Field Sample #: 1287320 Sampled: 8/27/2013 12:30

Sample ID: 13I0179-01

Sample Matrix: Soil

Sample Flags: DL-03

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
3/4-Methylphenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Naphthalene	ND	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2-Nitroaniline	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
3-Nitroaniline	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Nitroaniline	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Nitrobenzene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2-Nitrophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
4-Nitrophenol	ND	1.7	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
N-Nitrosodiphenylamine	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
N-Nitrosodi-n-propylamine	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Pentachloronitrobenzene	ND	0.88	mg/Kg dry	2	V-16	SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Pentachlorophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Phenanthrene	2.1	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Phenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Pyrene	3.5	0.44	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
Pyridine	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
1,2,4,5-Tetrachlorobenzene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
1,2,4-Trichlorobenzene	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4,5-Trichlorophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR
2,4,6-Trichlorophenol	ND	0.88	mg/Kg dry	2		SW-846 8270D	9/10/13	9/11/13 0:41	CMR

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	58.2	30-130		9/11/13 0:41
Phenol-d6	51.6	30-130		9/11/13 0:41
Nitrobenzene-d5	61.7	30-130		9/11/13 0:41
2-Fluorobiphenyl	59.9	30-130		9/11/13 0:41
2,4,6-Tribromophenol	66.3	30-130		9/11/13 0:41
p-Terphenyl-d14	61.8	30-130		9/11/13 0:41

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13I0179

Date Received: 9/6/2013

Field Sample #: 1287320 Sampled: 8/27/2013 12:30

Sample ID: 13I0179-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	790	260	mg/Kg dry	20		CTDEP ETPH	9/9/13	9/11/13 23:03	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
o-Terphenyl	*	50-150	S-01	9/11/13 23:03

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Project Location: 240 Oral School Road, Mystic CT Sample Description: Work Order: 13I0179

Date Received: 9/6/2013

Field Sample #: 1287320 Sampled: 8/27/2013 12:30

Sample ID: 13I0179-01

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	77.1		% Wt	1		SM 2540G	9/11/13	9/12/13 8:42	MLA

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Sample Extraction Data

Prep Method: SW-846 3546-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0179-01 [1287320]	B080374	30.0	1.00	09/09/13

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
13I0179-01 [1287320]	B080573	09/11/13

Prep Method: SW-846 3546-SW-846 8270D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
13I0179-01 [1287320]	B080462	30.0	1.00	09/10/13

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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 B080462 - SW-846 3546										
Blank (B080462-BLK1)				Prepared & Analyzed: 09/10/13						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	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	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
4-Chloro-3-methylphenol	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	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							
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	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.67	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							
Hexachlorocyclopentadiene	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							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							

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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 B080462 - SW-846 3546											
Blank (B080462-BLK1)				Prepared & Analyzed: 09/10/13							
4-Nitrophenol	ND	0.66	mg/Kg wet								
N-Nitrosodiphenylamine	ND	0.34	mg/Kg wet								
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet								
Pentachloronitrobenzene	ND	0.34	mg/Kg wet							V-16	
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								
Pyridine	ND	0.34	mg/Kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.34	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	*4.59*		mg/Kg wet	6.67		68.9	30-130				
Surrogate: Phenol-d6	*4.60*		mg/Kg wet	6.67		69.0	30-130				
Surrogate: Nitrobenzene-d5	*2.28*		mg/Kg wet	3.33		68.3	30-130				
Surrogate: 2-Fluorobiphenyl	*2.31*		mg/Kg wet	3.33		69.3	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.74*		mg/Kg wet	6.67		71.0	30-130				
Surrogate: p-Terphenyl-d14	*2.85*		mg/Kg wet	3.33		85.5	30-130				
LCS (B080462-BS1)				Prepared & Analyzed: 09/10/13							
Acenaphthene	1.55	0.17	mg/Kg wet	1.67		93.2	40-140				
Acenaphthylene	1.57	0.17	mg/Kg wet	1.67		94.2	40-140				
Aniline	1.14	0.34	mg/Kg wet	1.67		68.4	40-140				†
Anthracene	1.79	0.17	mg/Kg wet	1.67		107	40-140				
Benzo(a)anthracene	1.69	0.17	mg/Kg wet	1.67		101	40-140				
Benzo(a)pyrene	1.81	0.17	mg/Kg wet	1.67		109	40-140				
Benzo(b)fluoranthene	1.76	0.17	mg/Kg wet	1.67		106	40-140				
Benzo(g,h,i)perylene	1.42	0.17	mg/Kg wet	1.67		85.4	40-140				
Benzo(k)fluoranthene	1.88	0.17	mg/Kg wet	1.67		113	40-140				
Bis(2-chloroethoxy)methane	1.42	0.34	mg/Kg wet	1.67		85.1	40-140				
Bis(2-chloroethyl)ether	1.40	0.34	mg/Kg wet	1.67		83.7	40-140				
Bis(2-chloroisopropyl)ether	1.30	0.34	mg/Kg wet	1.67		78.2	40-140				
Bis(2-Ethylhexyl)phthalate	1.87	0.34	mg/Kg wet	1.67		112	40-140				
4-Bromophenylphenylether	1.78	0.34	mg/Kg wet	1.67		107	40-140				
Butylbenzylphthalate	1.80	0.34	mg/Kg wet	1.67		108	40-140				
Carbazole	1.75	0.17	mg/Kg wet	1.67		105	40-140				
4-Chloroaniline	1.17	0.66	mg/Kg wet	1.67		70.4	40-140				†
4-Chloro-3-methylphenol	1.51	0.66	mg/Kg wet	1.67		90.7	30-130				
2-Chloronaphthalene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140				
2-Chlorophenol	1.34	0.34	mg/Kg wet	1.67		80.5	30-130				
4-Chlorophenylphenylether	1.58	0.34	mg/Kg wet	1.67		94.9	40-140				
Chrysene	1.64	0.17	mg/Kg wet	1.67		98.5	40-140				
Dibenz(a,h)anthracene	1.59	0.17	mg/Kg wet	1.67		95.7	40-140				
Dibenzofuran	1.56	0.34	mg/Kg wet	1.67		93.3	40-140				
Di-n-butylphthalate	1.94	0.34	mg/Kg wet	1.67		116	40-140				
3,3-Dichlorobenzidine	1.35	0.17	mg/Kg wet	1.67		81.0	40-140				†
2,4-Dichlorophenol	1.46	0.34	mg/Kg wet	1.67		87.4	30-130				
Diethylphthalate	1.70	0.34	mg/Kg wet	1.67		102	40-140				
2,4-Dimethylphenol	1.61	0.34	mg/Kg wet	1.67		96.5	30-130				
Dimethylphthalate	1.69	0.34	mg/Kg wet	1.67		102	40-140				
4,6-Dinitro-2-methylphenol	1.61	0.34	mg/Kg wet	1.67		96.8	30-130				

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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 B080462 - SW-846 3546										
LCS (B080462-BS1)				Prepared & Analyzed: 09/10/13						
2,4-Dinitrophenol	1.11	0.66	mg/Kg wet	1.67		66.8	30-130			V-19
2,4-Dinitrotoluene	1.72	0.34	mg/Kg wet	1.67		103	40-140			
2,6-Dinitrotoluene	1.79	0.34	mg/Kg wet	1.67		107	40-140			
Di-n-octylphthalate	2.01	0.67	mg/Kg wet	1.67		121	40-140			
Fluoranthene	1.80	0.17	mg/Kg wet	1.67		108	40-140			
Fluorene	1.51	0.17	mg/Kg wet	1.67		90.6	40-140			
Hexachlorobenzene	1.85	0.34	mg/Kg wet	1.67		111	40-140			
Hexachlorobutadiene	1.33	0.34	mg/Kg wet	1.67		79.6	40-140			
Hexachlorocyclopentadiene	0.938	0.34	mg/Kg wet	1.67		56.3	30-140			
Hexachloroethane	1.18	0.34	mg/Kg wet	1.67		70.8	40-140			
Indeno(1,2,3-cd)pyrene	1.57	0.17	mg/Kg wet	1.67		94.4	40-140			
Isophorone	1.40	0.34	mg/Kg wet	1.67		84.3	40-140			
2-Methylnaphthalene	1.35	0.17	mg/Kg wet	1.67		81.0	40-140			
2-Methylphenol	1.53	0.34	mg/Kg wet	1.67		92.0	30-130			
3/4-Methylphenol	1.47	0.34	mg/Kg wet	1.67		88.0	30-130			
Naphthalene	1.32	0.17	mg/Kg wet	1.67		78.9	40-140			
2-Nitroaniline	1.41	0.34	mg/Kg wet	1.67		84.8	40-140			
3-Nitroaniline	1.50	0.34	mg/Kg wet	1.67		90.3	40-140			†
4-Nitroaniline	1.39	0.34	mg/Kg wet	1.67		83.6	40-140			
Nitrobenzene	1.28	0.34	mg/Kg wet	1.67		76.7	40-140			
2-Nitrophenol	1.48	0.34	mg/Kg wet	1.67		88.8	30-130			
4-Nitrophenol	1.35	0.66	mg/Kg wet	1.67		80.9	10-130			
N-Nitrosodiphenylamine	2.18	0.34	mg/Kg wet	1.67		131	40-140			
N-Nitrosodi-n-propylamine	1.35	0.34	mg/Kg wet	1.67		80.8	40-140			
Pentachloronitrobenzene	1.93	0.34	mg/Kg wet	1.67		116	40-140			V-16
Pentachlorophenol	1.66	0.34	mg/Kg wet	1.67		99.6	30-130			
Phenanthrene	1.74	0.17	mg/Kg wet	1.67		105	40-140			
Phenol	1.21	0.34	mg/Kg wet	1.67		72.8	20-130			
Pyrene	1.76	0.17	mg/Kg wet	1.67		105	40-140			
Pyridine	0.860	0.34	mg/Kg wet	1.67		51.6	10-140			†
1,2,4,5-Tetrachlorobenzene	1.51	0.34	mg/Kg wet	1.67		90.6	40-140			
1,2,4-Trichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140			
2,4,5-Trichlorophenol	1.49	0.34	mg/Kg wet	1.67		89.3	30-130			
2,4,6-Trichlorophenol	1.60	0.34	mg/Kg wet	1.67		96.1	30-130			
Surrogate: 2-Fluorophenol	*5.46*		mg/Kg wet	6.67		81.8	30-130			
Surrogate: Phenol-d6	*5.49*		mg/Kg wet	6.67		82.3	30-130			
Surrogate: Nitrobenzene-d5	*2.60*		mg/Kg wet	3.33		78.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.83*		mg/Kg wet	3.33		85.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.58*		mg/Kg wet	6.67		114	30-130			
Surrogate: p-Terphenyl-d14	*3.59*		mg/Kg wet	3.33		108	30-130			
LCS Dup (B080462-BSD1)				Prepared & Analyzed: 09/10/13						
Acenaphthene	1.45	0.17	mg/Kg wet	1.67		87.3	40-140	6.63	30	
Acenaphthylene	1.44	0.17	mg/Kg wet	1.67		86.3	40-140	8.80	30	
Aniline	1.03	0.34	mg/Kg wet	1.67		61.9	40-140	9.97	50	† ‡
Anthracene	1.70	0.17	mg/Kg wet	1.67		102	40-140	4.85	30	
Benzo(a)anthracene	1.63	0.17	mg/Kg wet	1.67		97.5	40-140	3.88	30	
Benzo(a)pyrene	1.74	0.17	mg/Kg wet	1.67		104	40-140	4.05	30	
Benzo(b)fluoranthene	1.69	0.17	mg/Kg wet	1.67		102	40-140	4.07	30	
Benzo(g,h,i)perylene	1.44	0.17	mg/Kg wet	1.67		86.5	40-140	1.37	30	
Benzo(k)fluoranthene	1.81	0.17	mg/Kg wet	1.67		108	40-140	3.95	30	
Bis(2-chloroethoxy)methane	1.27	0.34	mg/Kg wet	1.67		76.1	40-140	11.2	30	

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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 B080462 - SW-846 3546										
LCS Dup (B080462-BSD1)				Prepared & Analyzed: 09/10/13						
Bis(2-chloroethyl)ether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140	10.1	30	
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.6	40-140	10.2	30	
Bis(2-Ethylhexyl)phthalate	1.78	0.34	mg/Kg wet	1.67		107	40-140	5.00	30	
4-Bromophenylphenylether	1.76	0.34	mg/Kg wet	1.67		105	40-140	1.09	30	
Butylbenzylphthalate	1.70	0.34	mg/Kg wet	1.67		102	40-140	5.68	30	
Carbazole	1.70	0.17	mg/Kg wet	1.67		102	40-140	3.17	30	
4-Chloroaniline	1.10	0.66	mg/Kg wet	1.67		66.3	40-140	6.09	30	†
4-Chloro-3-methylphenol	1.36	0.66	mg/Kg wet	1.67		81.9	30-130	10.3	30	
2-Chloronaphthalene	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	5.65	30	
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.67		71.1	30-130	12.4	30	
4-Chlorophenylphenylether	1.49	0.34	mg/Kg wet	1.67		89.1	40-140	6.26	30	
Chrysene	1.57	0.17	mg/Kg wet	1.67		94.5	40-140	4.19	30	
Dibenz(a,h)anthracene	1.57	0.17	mg/Kg wet	1.67		94.3	40-140	1.50	30	
Dibenzofuran	1.42	0.34	mg/Kg wet	1.67		85.3	40-140	9.00	30	
Di-n-butylphthalate	1.89	0.34	mg/Kg wet	1.67		114	40-140	2.52	30	
3,3-Dichlorobenzidine	1.37	0.17	mg/Kg wet	1.67		82.2	40-140	1.40	30	† ‡
2,4-Dichlorophenol	1.29	0.34	mg/Kg wet	1.67		77.2	30-130	12.3	30	
Diethylphthalate	1.57	0.34	mg/Kg wet	1.67		94.0	40-140	8.07	30	
2,4-Dimethylphenol	1.42	0.34	mg/Kg wet	1.67		85.2	30-130	12.5	30	
Dimethylphthalate	1.58	0.34	mg/Kg wet	1.67		94.5	40-140	7.12	50	
4,6-Dinitro-2-methylphenol	1.59	0.34	mg/Kg wet	1.67		95.4	30-130	1.48	50	
2,4-Dinitrophenol	1.09	0.66	mg/Kg wet	1.67		65.4	30-130	2.21	50	V-19
2,4-Dinitrotoluene	1.52	0.34	mg/Kg wet	1.67		91.0	40-140	12.3	30	
2,6-Dinitrotoluene	1.62	0.34	mg/Kg wet	1.67		97.2	40-140	9.76	30	
Di-n-octylphthalate	1.90	0.67	mg/Kg wet	1.67		114	40-140	5.59	30	
Fluoranthene	1.74	0.17	mg/Kg wet	1.67		104	40-140	3.47	30	
Fluorene	1.43	0.17	mg/Kg wet	1.67		86.1	40-140	5.07	30	
Hexachlorobenzene	1.82	0.34	mg/Kg wet	1.67		109	40-140	1.73	30	
Hexachlorobutadiene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140	9.07	30	
Hexachlorocyclopentadiene	0.837	0.34	mg/Kg wet	1.67		50.2	30-140	11.3	50	
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		65.0	40-140	8.51	50	
Indeno(1,2,3-cd)pyrene	1.60	0.17	mg/Kg wet	1.67		96.0	40-140	1.66	50	
Isophorone	1.26	0.34	mg/Kg wet	1.67		75.9	40-140	10.5	30	
2-Methylnaphthalene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140	11.3	30	
2-Methylphenol	1.32	0.34	mg/Kg wet	1.67		79.4	30-130	14.7	30	
3/4-Methylphenol	1.25	0.34	mg/Kg wet	1.67		75.0	30-130	15.9	30	
Naphthalene	1.18	0.17	mg/Kg wet	1.67		70.5	40-140	11.2	30	
2-Nitroaniline	1.23	0.34	mg/Kg wet	1.67		73.8	40-140	13.8	30	
3-Nitroaniline	1.33	0.34	mg/Kg wet	1.67		79.7	40-140	12.5	30	†
4-Nitroaniline	1.18	0.34	mg/Kg wet	1.67		71.1	40-140	16.2	30	
Nitrobenzene	1.14	0.34	mg/Kg wet	1.67		68.1	40-140	11.8	30	
2-Nitrophenol	1.32	0.34	mg/Kg wet	1.67		79.1	30-130	11.6	30	
4-Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.2	10-130	2.83	50	‡
N-Nitrosodiphenylamine	2.07	0.34	mg/Kg wet	1.67		124	40-140	5.20	30	
N-Nitrosodi-n-propylamine	1.18	0.34	mg/Kg wet	1.67		71.0	40-140	12.8	30	
Pentachloronitrobenzene	1.89	0.34	mg/Kg wet	1.67		114	40-140	1.87	30	V-16
Pentachlorophenol	1.65	0.34	mg/Kg wet	1.67		98.9	30-130	0.645	50	
Phenanthrene	1.68	0.17	mg/Kg wet	1.67		101	40-140	3.50	30	
Phenol	1.07	0.34	mg/Kg wet	1.67		64.2	20-130	12.6	30	
Pyrene	1.61	0.17	mg/Kg wet	1.67		96.5	40-140	8.85	30	
Pyridine	0.937	0.34	mg/Kg wet	1.67		56.2	10-140	8.64	50	†
1,2,4,5-Tetrachlorobenzene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140	11.0	30	

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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 B080462 - SW-846 3546										
LCS Dup (B080462-BSD1)				Prepared & Analyzed: 09/10/13						
1,2,4-Trichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140	10.3	30	
2,4,5-Trichlorophenol	1.41	0.34	mg/Kg wet	1.67		84.6	30-130	5.34	30	
2,4,6-Trichlorophenol	1.47	0.34	mg/Kg wet	1.67		88.3	30-130	8.44	50	
Surrogate: 2-Fluorophenol	*4.77*		mg/Kg wet	6.67		71.6	30-130			
Surrogate: Phenol-d6	*4.69*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Nitrobenzene-d5	*2.27*		mg/Kg wet	3.33		68.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.53*		mg/Kg wet	3.33		75.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.68*		mg/Kg wet	6.67		100	30-130			
Surrogate: p-Terphenyl-d14	*3.22*		mg/Kg wet	3.33		96.7	30-130			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B080374 - SW-846 3546										
Blank (B080374-BLK1)				Prepared: 09/09/13 Analyzed: 09/10/13						
CT ETPH	ND	10	mg/Kg wet							
Surrogate: o-Terphenyl	*2.61*		mg/Kg wet	3.33		78.4	50-150			
LCS (B080374-BS1)				Prepared: 09/09/13 Analyzed: 09/10/13						
CT ETPH	28.0	10	mg/Kg wet	33.3		84.0	60-120			
Surrogate: o-Terphenyl	*2.83*		mg/Kg wet	3.33		85.0	50-150			
LCS Dup (B080374-BSD1)				Prepared: 09/09/13 Analyzed: 09/10/13						
CT ETPH	29.4	10	mg/Kg wet	33.3		88.2	60-120	4.87	30	
Surrogate: o-Terphenyl	*2.84*		mg/Kg wet	3.33		85.1	50-150			

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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.
	No results have been blank subtracted unless specified in the case narrative section.
DL-03	Elevated reporting limit due to matrix.
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.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy may be associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
SW-846 8270D in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,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
4-Chloro-3-methylphenol	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
4-Chlorophenylphenylether	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,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
4,6-Dinitro-2-methylphenol	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
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachlorocyclopentadiene	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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270D in Soil	
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
2-Nitroaniline	CT,NY,NH
3-Nitroaniline	CT,NY,NH
4-Nitroaniline	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
N-Nitrosodiphenylamine	CT,NY,NH
N-Nitrosodi-n-propylamine	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
Pyridine	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	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2012

CHAIN OF CUSTODY RECORD

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

13H0834
Rev 04.05.12
1310179

Company Name: Loureiro Engineering Assoc
Address: 100 Northwest Dr
Plainville CT
Attention: Darby Hittle
Project Location: Oral School Rd Mystic CT
Sampled By: TJN

Telephone: 860 40 8181
Project #: 18HA301.006
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #:
Email: DSHagen@loureiro.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code
H	1287319	8/27/13	1210		✓	S		3	H	V
H8	1287355		1211		✓	S		3	H	V
01 H3	1287320		1230		✓	S		2	H	V
H4	1287321		1220		✓	S		3	H	V
H5	1287322		1320		✓	S		2	H	V
H6	1287354		1321		✓	S		2	H	V
H7	1287323		1325		✓	S		2	H	V
H8	1287324		1335		✓	S		1	H	V
H9	1287360		1340		✓	S		2	H	V
20	1287361	↓	1350		✓	S		2	H	V

ANALYSIS REQUESTED
VOC's 8260
SVOC's 8270
CT ETPH
Pesticides 8081
RCRA 8 Cu, Ni, Zn
HOLD
PCB's

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

Comments:

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:
	8/27/13 3
Received by: (signature)	Date/Time:
	8/27/13 3
Relinquished by: (signature)	Date/Time:
	8/27/13 5
Received by: (signature) 4.5°	Date/Time:
	8/27/13 1755

Turnaround ††
☑ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Form Required
✓ RCP Form Required
○ MA State DW Form Required PWSID # _____
8/27/13 1830 in

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Page 19 of 22 1310179_1 Contest_Final 09 13 13 1420 09/13/13 14:20:56

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Loureiro RECEIVED BY: SMH DATE: 8/27/13

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included

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 _____ Temperature °C by Temp gun 4.5°C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

8) Do all samples have the proper Acid pH: Yes No (N/A)

9) Do all samples have the proper Base pH: Yes No (N/A)

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	47
500 mL Amber		4 oz amber/clear jar	13
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	63	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 21
Bisulfate _____ # DI Water 42
Thiosulfate _____ Unpreserved _____

Time and Date Frozen: 8/27/13 1830

CT ETPH DISCRIMINATION CHECK

Date Acquired	9/11/13
Data File Name	A0911058.D
Sample Name	ETPH 1500
Instrument Name	5890DFID

Compound	Ret Time	Target Response	Average Response	*%D +/- 20
c - 9	1.21	466628	475909	-2
c - 10	1.56	484360	475909	2
c - 12	2.30	473058	475909	-1
c - 14	2.97	474428	475909	0
c - 16	3.58	470011	475909	-1
c - 18	4.19	484289	475909	2
o-Terphenyl	4.47	672125	475909	
c - 20	4.81	488665	475909	3
c - 22	5.32	494877	475909	4
c - 24	5.76	496411	475909	4
c - 26	6.16	492832	475909	4
c - 28	6.52	480911	475909	1
c - 30	6.86	473294	475909	-1
c - 32	7.17	454414	475909	-5
c - 34	7.47	451368	475909	-5
c - 36	7.78	453087	475909	-5

* One compound allowed %D </= 50%

Samples

13I0122-09
13I0122-10
13I0122-16@50X
13I0123-01@5X
13I0114-01@50X
13I0225-01@10X
13I0179-01@20X

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Loureiro Engineering Associates

Project Location: 240 Oral School Road, Mystic CT

Project Number: 13I0179

Laboratory Sample ID(s):

13I0179-01

Sample Date(s):

08/27/2013

List RCP Methods Used:

CTDEP ETPH, SW-846 8270D

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C.)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5A	Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5B	Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 09/13/13

Name of Laboratory: Con-Test Analytical Laboratory

This certification form is to be used for RCP methods only.

APPENDIX D

Data Quality Assessment Worksheets

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1007
Date Samples Collected 8/26/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287289	13H1007-01	SB-300	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287290	13H1007-02	SB-300	2-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287291	13H1007-03	SB-301	0-2	ETPH	Matrix Spike / Matrix Spike Duplicate	48.0 % / 44.2%	Low	
1287291	13H1007-03	SB-301	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287292	13H1007-04	SB-301	2-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287293	13H1007-05	SB-302	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287294	13H1007-06	SB-302	2-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287295	13H1007-07	SB-303	0-4	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287295	13H1007-07	SB-303	0-4	Acetone	Laboratory Control Sample	68.1%	Low	
1287295	13H1007-07	SB-303	0-4	Dichlorodifluoromethane	Laboratory Control Sample	69.9%	Low	
1287295	13H1007-07	SB-303	0-4	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287295	13H1007-07	SB-303	0-4	Bromomethane	Matrix Spike / Matrix Spike Duplicate	69.1%	Low	
1287295	13H1007-07	SB-303	0-4	Chloromethane	Matrix Spike / Matrix Spike Duplicate	68.1%	Low	
1287295	13H1007-07	SB-303	0-4	Dichlorodifluoromethane	Matrix Spike / Matrix Spike Duplicate	57.8%	Low	
1287295	13H1007-07	SB-303	0-4	Methylene Chloride	Matrix Spike / Matrix Spike Duplicate	39.3%	Low	
				3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287297	13H1007-09	SB-304	0-4	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287297	13H1007-09	SB-304	0-4	Acetone	Laboratory Control Sample	68.1%	Low	
1287297	13H1007-09	SB-304	0-4	Dichlorodifluoromethane	Laboratory Control Sample	69.9%	Low	
1287297	13H1007-09	SB-304	0-4	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287297	13H1007-09	SB-304	0-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287299	13H1007-11	SB-306	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287300	13H1007-12	SB-306	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287301	13H1007-13	SB-306	4-8		No QC Issues			
1287302	13H1007-14	SB-308	0-4	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287302	13H1007-14	SB-308	0-4	Acetone	Laboratory Control Sample	68.1%	Low	
1287302	13H1007-14	SB-308	0-4	Dichlorodifluoromethane	Laboratory Control Sample	69.9%	Low	
1287302	13H1007-14	SB-308	0-4	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287302	13H1007-14	SB-308	0-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287304	13H1007-16	SB-307	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287305	13H1007-17	SB-307	2-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287306	13H1007-18	SB-307	6-8		No QC Issues			
1287307	13H1007-19	SB-308	0-2	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287308	13H1007-20	SB-308	2-4	3,4-Methylphenol	Laboratory Control Sample	142%	High	
1287358	13H1007-21	Trip Blank	NA	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287358	13H1007-21	Trip Blank	NA	Acetone	Laboratory Control Sample	68.1%	Low	
1287358	13H1007-21	Trip Blank	NA	Dichlorodifluoromethane	Laboratory Control Sample	69.9%	Low	
1287358	13H1007-21	Trip Blank	NA	Methylene Chloride	Laboratory Control Sample	49.8%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1034
Date Samples Collected 8/27/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287309	13H1034-01	SB-309	0-2	Acetone	Laboratory Control Sample	153%	High	
1287309	13H1034-01	SB-309	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287309	13H1034-01	SB-309	0-2	1,2,3-Trichlorobenzene	Matrix Spike / Matrix Spike Duplicate	68%	Low	
1287309	13H1034-01	SB-309	0-2	Carbon Disulfide	Matrix Spike / Matrix Spike Duplicate	61%	Low	
1287309	13H1034-01	SB-309	0-2	Naphthalene	Matrix Spike / Matrix Spike Duplicate	56%	Low	
1287309	13H1034-01	SB-309	0-2	1,2,4-Trimethylbenzene	Matrix Spike / Matrix Spike Duplicate	132%	High	
1287309	13H1034-01	SB-309	0-2	p-Isopropyltoluene	Matrix Spike / Matrix Spike Duplicate	131%	High	
1287309	13H1034-01	SB-309	0-2	sec-Butylbenzene	Matrix Spike / Matrix Spike Duplicate	136%	High	
1287309	13H1034-01	SB-309	0-2	tert-Butylbenzene	Matrix Spike / Matrix Spike Duplicate	136%	High	
1287309	13H1034-01	SB-309	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287310	13H1034-02	SB-309	2-4	ETPH	Surrogate Diluted Out		NA	
1287310	13H1034-02	SB-309	2-4	Acetone	Laboratory Control Sample	153%	High	
1287310	13H1034-02	SB-309	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287310	13H1034-02	SB-309	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287310	13H1034-02	SB-309	2-4	Aniline	Matrix Spike / Matrix Spike Duplicate	0% / 0%	Very Low	Data may be unusable
1287310	13H1034-02	SB-309	2-4	Di-n-octyl phthalate	Matrix Spike / Matrix Spike Duplicate	0% / 0%	Very Low	Data may be unusable
1287310	13H1034-02	SB-309	2-4	Hexachlorocyclopentadiene	Matrix Spike / Matrix Spike Duplicate	0% / 0%	Very Low	Data may be unusable
1287310	13H1034-02	SB-309	2-4	3,4-Methylphenol	Matrix Spike / Matrix Spike Duplicate	139% / 131%	High	
1287310	13H1034-02	SB-309	2-4	4-Nitrophenol	Matrix Spike / Matrix Spike Duplicate	0% / 0%	Very Low	Data may be unusable
1287310	13H1034-02	SB-309	2-4	Phenanthrene	Matrix Spike / Matrix Spike Duplicate	276% / 310%	High	
1287310	13H1034-02	SB-309	2-4	Pyridine	Matrix Spike / Matrix Spike Duplicate	36.5%	Low	
1287310	13H1034-02	SB-309	2-4	Flouranthene	Matrix Spike / Matrix Spike Duplicate	239%	High	
1287310	13H1034-02	SB-309	2-4	Pyrene	Matrix Spike / Matrix Spike Duplicate	239%	High	
1287312	13H1034-04	SB-310	0-2	ETPH	Surrogate Diluted Out		NA	
1287312	13H1034-04	SB-310	0-2	Acetone	Laboratory Control Sample	153%	High	
1287312	13H1034-04	SB-310	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287312	13H1034-04	SB-310	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287313	13H1034-05	SB-310	2-4	Acetone	Laboratory Control Sample	153%	High	
1287313	13H1034-05	SB-310	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287313	13H1034-05	SB-310	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287314	13H1034-06	SB-311	0-2	Acetone	Laboratory Control Sample	153%	High	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1034
Date Samples Collected 8/27/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287314	13H1034-06	SB-311	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287314	13H1034-06	SB-311	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287315	13H1034-07	SB-311	2-4	Acetone	Laboratory Control Sample	153%	High	
1287315	13H1034-07	SB-311	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287315	13H1034-07	SB-311	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287316	13H1034-08	SB-312A	0-2	Acetone	Laboratory Control Sample	153%	High	
1287316	13H1034-08	SB-312A	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287316	13H1034-08	SB-312A	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287317	13H1034-09	SB-312A	2-4	Acetone	Laboratory Control Sample	153%	High	
1287317	13H1034-09	SB-312A	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287317	13H1034-09	SB-312A	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287319	13H1034-11	SB-313	0-2	Acetone	Laboratory Control Sample	153%	High	
1287319	13H1034-11	SB-313	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287319	13H1034-11	SB-313	0-2	Fluoranthene	Result exceeds calibration range		NA	Estimated
1287319	13H1034-11	SB-313	0-2	Phenanthrene	Result exceeds calibration range		NA	Estimated
1287319	13H1034-11	SB-313	0-2	Pyrene	Result exceeds calibration range		NA	Estimated
1287319	13H1034-11	SB-313	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287319	13H1034-11RE1	SB-313	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287355	13H1034-12	SB-313	0-2	Acetone	Laboratory Control Sample	153%	High	
1287355	13H1034-12	SB-313	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287355	13H1034-12	SB-313	0-2	Fluoranthene	Result exceeds calibration range		NA	Estimated
1287355	13H1034-12	SB-313	0-2	Phenanthrene	Result exceeds calibration range		NA	Estimated
1287355	13H1034-12	SB-313	0-2	Pyrene	Result exceeds calibration range		NA	Estimated
1287355	13H1034-12	SB-313	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287355	13H1034-12RE1	SB-313	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287321	13H1034-14	SB-313	2-4	Acetone	Laboratory Control Sample	153%	High	
1287321	13H1034-14	SB-313	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287321	13H1034-14	SB-313	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287322	13H1034-15	SB-314A	0-2	Aroclor 1016	Laboratory Control Sample	144% / 154%	High	
1287322	13H1034-15	SB-314A	0-2	Aroclor 1260	Laboratory Control Sample	146% / 158%	High	
1287322	13H1034-15	SB-314A	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287354	13H1034-16	SB-314A	0-2	Aroclor 1016	Laboratory Control Sample	144% / 154%	High	
1287354	13H1034-16	SB-314A	0-2	Aroclor 1260	Laboratory Control Sample	146% / 158%	High	
1287354	13H1034-16	SB-314A	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287323	13H1034-17	SB-314A	2-4	Aroclor 1016	Laboratory Control Sample	144% / 154%	High	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Loureiro
Engineering • Construction • EH&S • Energy • Waste

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1034
Date Samples Collected 8/27/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287323	13H1034-17	SB-314A	2-4	Aroclor 1260	Laboratory Control Sample	146% / 158%	High	
1287323	13H1034-17	SB-314A	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287360	13H1034-19	SB-315A	0-2	Aroclor 1016	Laboratory Control Sample	144% / 154%	High	
1287360	13H1034-19	SB-315A	0-2	Aroclor 1260	Laboratory Control Sample	146% / 158%	High	
1287360	13H1034-19	SB-315A	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287361	13H1034-20	SB-315A	2-4	Aroclor 1016	Laboratory Control Sample	144% / 154%	High	
1287361	13H1034-20	SB-315A	2-4	Aroclor 1260	Laboratory Control Sample	146% / 158%	High	
1287361	13H1034-20	SB-315A	2-4	Aroclor 1016	Matrix Spike / Matrix Spike Duplicate	145%	High	
1287361	13H1034-20	SB-315A	2-4	Aroclor 1260	Matrix Spike / Matrix Spike Duplicate	151%	High	
1287361	13H1034-20	SB-315A	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287363	13H1034-22	SB-316A	0-2	Acetone	Laboratory Control Sample	153%	High	
1287363	13H1034-22	SB-316A	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287363	13H1034-22	SB-316A	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287364	13H1034-23	SB-316A	2-4	Acetone	Laboratory Control Sample	153%	High	
1287364	13H1034-23	SB-316A	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287364	13H1034-23	SB-316A	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287366	13H1034-25	SB-326	0-2	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287367	13H1034-26	SB-326	2-4	3,4-Methylphenol	Laboratory Control Sample	138%, 139%	High	
1287368	13H1034-27	SB-327	0-2	4-Chloroaniline	Laboratory Control Sample	33%	Low	
1287369	13H1034-28	SB-327	2-4	4-Chloroaniline	Laboratory Control Sample	33%	Low	
1287370	13H1034-29	SB-328	0-2	4-Chloroaniline	Laboratory Control Sample	33%	Low	
1287371	13H1034-30	SB-328	2-4	4-Chloroaniline	Laboratory Control Sample	33%	Low	
1287372	13H1034-31	SB-330	0-2	Acetone	Laboratory Control Sample	153%	High	
1287372	13H1034-31	SB-330	0-2	Bromomethane	Laboratory Control Sample	132%	High	
1287373	13H1034-32	SB-330	2-4	Acetone	Laboratory Control Sample	153%	High	
1287373	13H1034-32	SB-330	2-4	Bromomethane	Laboratory Control Sample	132%	High	
1287352	13H1034-33	Trip Blank	NA	Acetone	Laboratory Control Sample	153%	High	
1287352	13H1034-33	Trip Blank	NA	Bromomethane	Laboratory Control Sample	132%	High	

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Commission # 18HM301
SDG: 13H1103
Date Samples Collected 8/28/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

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Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287374	13HI1103-01	SB-324	0-2	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287375	13HI1103-02	SB-324	2-4	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287400	13HI1103-04	SB-325	0-2	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287401	13HI1103-05	SB-325	2-4	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287403	13HI1103-07	SB-317	0-2	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287403	13HI1103-07	SB-317	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287403	13HI1103-07	SB-317	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287403	13HI1103-07	SB-317	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287403	13HI1103-07	SB-317	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287403	13HI1103-07	SB-317	0-2	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287403	13HI1103-07	SB-317	0-2	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287404	13HI1103-08	SB-317	2-4	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287404	13HI1103-08	SB-317	2-4	Acetone	Laboratory Control Sample	69.2%	Low	
1287404	13HI1103-08	SB-317	2-4	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287404	13HI1103-08	SB-317	2-4	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287404	13HI1103-08	SB-317	2-4	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287404	13HI1103-08	SB-317	2-4	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287404	13HI1103-08	SB-317	2-4	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287330	13HI1103-11	SB-318	0-2	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287330	13HI1103-11	SB-318	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287330	13HI1103-11	SB-318	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287330	13HI1103-11	SB-318	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287330	13HI1103-11	SB-318	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287330	13HI1103-11	SB-318	0-2	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287330	13HI1103-11	SB-318	0-2	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287331	13HI1103-12	SB-318	2-4	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287331	13HI1103-12	SB-318	2-4	Acetone	Laboratory Control Sample	69.2%	Low	
1287331	13HI1103-12	SB-318	2-4	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287331	13HI1103-12	SB-318	2-4	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287331	13HI1103-12	SB-318	2-4	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287331	13HI1103-12	SB-318	2-4	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287331	13HI1103-12	SB-318	2-4	1,2,3-Trichlorobenzene	Matrix Spike / Matrix Spike Duplicate	67.7%	Low	
1287331	13HI1103-12	SB-318	2-4	1,2,4-Trichlorobenzene	Matrix Spike / Matrix Spike Duplicate	69.2%	Low	
1287331	13HI1103-12	SB-318	2-4	2-Hexanone	Matrix Spike / Matrix Spike Duplicate	65.8%	Low	
1287331	13HI1103-12	SB-318	2-4	4-Methyl-2-pentanone	Matrix Spike / Matrix Spike Duplicate	69.6%	Low	
1287331	13HI1103-12	SB-318	2-4	Naphthalene	Matrix Spike / Matrix Spike Duplicate	64.2%	Low	
1287331	13HI1103-12	SB-318	2-4	Vinyl Chloride	Matrix Spike / Matrix Spike Duplicate	69.6%	Low	
1287331	13HI1103-12	SB-318	2-4	Bromoethane	Matrix Spike / Matrix Spike Duplicate	65.0%	Low	

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Commission # 18HM301
SDG: 13H1103
Date Samples Collected 8/28/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
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Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287331	13HI1103-12	SB-318	2-4	Chloromethane	Matrix Spike / Matrix Spike Duplicate	59.5%	Low	
1287331	13HI1103-12	SB-318	2-4	Dichlordilfluoromethane	Matrix Spike / Matrix Spike Duplicate	47.6%	Low	
1287331	13HI1103-12	SB-318	2-4	Methylene Chloride	Matrix Spike / Matrix Spike Duplicate	49.3%	Low	
1287331	13HI1103-12	SB-318	2-4	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287334	13HI1103-15	Trip Blank	NA	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287334	13HI1103-15	Trip Blank	NA	Acetone	Laboratory Control Sample	69.2%	Low	
1287334	13HI1103-15	Trip Blank	NA	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287334	13HI1103-15	Trip Blank	NA	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287334	13HI1103-15	Trip Blank	NA	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287334	13HI1103-15	Trip Blank	NA	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287335	13HI1103-16	SB-322	0-2		No QC Issues			
1287336	13HI1103-17	SB-322	2-4		No QC Issues			
1287338	13HI1103-19	SB-332	0-2	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287339	13HI1103-20	SB-332	2-4	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287341	13HI1103-22	SB-312	6-8	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287341	13HI1103-22	SB-312	6-8	Acetone	Laboratory Control Sample	69.2%	Low	
1287341	13HI1103-22	SB-312	6-8	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287341	13HI1103-22	SB-312	6-8	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287341	13HI1103-22	SB-312	6-8	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287341	13HI1103-22	SB-312	6-8	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287341	13HI1103-22	SB-312	6-8	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287342	13HI1103-23	SB-312	8-10	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287342	13HI1103-23	SB-312	8-10	Acetone	Laboratory Control Sample	69.2%	Low	
1287342	13HI1103-23	SB-312	8-10	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287342	13HI1103-23	SB-312	8-10	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287342	13HI1103-23	SB-312	8-10	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287342	13HI1103-23	SB-312	8-10	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287342	13HI1103-23	SB-312	8-10	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287343	13HI1103-24	SB-312	10-12	1,1,2-Trichloro-1,2,2-trifluoroethane	Laboratory Control Sample	135.0%	High	
1287343	13HI1103-24	SB-312	10-12	Acetone	Laboratory Control Sample	69.2%	Low	
1287343	13HI1103-24	SB-312	10-12	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287343	13HI1103-24	SB-312	10-12	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287343	13HI1103-24	SB-312	10-12	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287343	13HI1103-24	SB-312	10-12	Methylene Chloride	Laboratory Control Sample	49.8%	Low	
1287343	13HI1103-24	SB-312	10-12	4-Choroaniline	Laboratory Control Sample	56.2% RPD	Non-directional	
1287377	13HI1103-25	SS-300	0-0.5	All Pesticides	Elevated Reporting Limits		NA	High Concentration of Target Compounds / Sample Diluted

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Commission # 18HM301
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RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

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SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287377	13HI1103-25	SS-300	0-0.5	All Pesticides	Surrogates		NA	Diluted Out
1287378	13HI1103-26	SS-301	0-0.5	All Pesticides	Elevated Reporting Limits		NA	High Concentration of Target Compounds / Sample Diluted
1287378	13HI1103-26	SS-301	0-0.5	All Pesticides	Surrogates		NA	Diluted Out
1287379	13HI1103-27	SS-302	0-0.5		No QC Issues			
1287380	13HI1103-28	SS-303	0-0.5		No QC Issues			
1287381	13HI1103-29	SS-304	0-0.5		No QC Issues			
1287386	13HI1103-30	SS-305	0-0.5		No QC Issues			
1287387	13HI1103-31	SS-306	0-0.5		No QC Issues			
1287388	13HI1103-32	SS-307	0-0.5		No QC Issues			
1287389	13HI1103-33	SS-308	0-0.5		No QC Issues			
1287390	13HI1103-34	SS-309	0-0.5		No QC Issues			
1287391	13HI1103-35	SS-310	0-0.5		No QC Issues			
1287392	13HI1103-36	SS-311	0-0.5		No QC Issues			
1287393	13HI1103-37	SS-312	0-0.5		No QC Issues			
1287382	13HI1103-38	SS-313	0-0.5		No QC Issues			
1287383	13HI1103-39	SS-314	0-0.5		No QC Issues			
1287384	13HI1103-40	SS-315	0-0.5		No QC Issues			
1287394	13HI1103-41	SS-316	0-0.5		No QC Issues			
1287395	13HI1103-42	SS-317	0-0.5		No QC Issues			
1287396	13HI1103-43	SS-318	0-0.5		No QC Issues			
1287406	13HI1103-44	SS-318	0-0.5		No QC Issues			
1287397	13HI1103-45	SS-319	0-0.5	All Pesticides	Elevated Reporting Limits		NA	High Concentration of Target Compounds / Sample Diluted
1287397	13HI1103-45	SS-319	0-0.5	All Pesticides	Surrogates		NA	Diluted Out
1287397	13HI1103-45	SS-319	0-0.5	All Pesticides	MS/MSD		NA	Recovery not available/ Spike diluted out
1287344	13H1143-01	Trip Blank	NA	Acetone	Laboratory Control Sample	69.2%	Low	
1287344	13H1143-01	Trip Blank	NA	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287344	13H1143-01	Trip Blank	NA	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287344	13H1143-01	Trip Blank	NA	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287344	13H1143-01	Trip Blank	NA	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287349	13H1143-02	Test Pit 1	13	Acetone	Laboratory Control Sample	69.2%	Low	
1287349	13H1143-02	Test Pit 1	13	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287349	13H1143-02	Test Pit 1	13	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287349	13H1143-02	Test Pit 1	13	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	

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SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287349	13H1143-02	Test Pit 1	13	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287350	13H1143-03	Test Pit 2	13	Acetone	Laboratory Control Sample	69.2%	Low	
1287350	13H1143-03	Test Pit 2	13	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287350	13H1143-03	Test Pit 2	13	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287350	13H1143-03	Test Pit 2	13	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287350	13H1143-03	Test Pit 2	13	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287350	13H1143-03	Test Pit 2	13	All SVOCs	Elevated Reporting Limits		NA	Matrix Interference
1287410	13H1143-04	SB-331	0-2	ETPH	Matrix Spike / Matrix Spike Duplicate	-0.605% / 0.433%	Low	
1287410	13H1143-04	SB-331	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287410	13H1143-04	SB-331	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287410	13H1143-04	SB-331	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287410	13H1143-04	SB-331	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287410	13H1143-04	SB-331	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287411	13H1143-05	SB-331	2-4	Acetone	Laboratory Control Sample	69.2%	Low	
1287411	13H1143-05	SB-331	2-4	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287411	13H1143-05	SB-331	2-4	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287411	13H1143-05	SB-331	2-4	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287411	13H1143-05	SB-331	2-4	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287325	13H1143-06	SB-351	0-1.5	Acetone	Laboratory Control Sample	69.2%	Low	
1287325	13H1143-06	SB-351	0-1.5	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287325	13H1143-06	SB-351	0-1.5	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287325	13H1143-06	SB-351	0-1.5	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287325	13H1143-06	SB-351	0-1.5	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287326	13H1143-07	SB-352	0-0.66		No QC Issues			
1287327	13H1143-08	SB-353	0-0.66		No QC Issues			
1287345	13H1143-09	SB-350	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287345	13H1143-09	SB-350	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287345	13H1143-09	SB-350	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287345	13H1143-09	SB-350	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287345	13H1143-09	SB-350	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287398	13H1143-10	SB-350	2-4.03	Acetone	Laboratory Control Sample	69.2%	Low	
1287398	13H1143-10	SB-350	2-4.03	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287398	13H1143-10	SB-350	2-4.03	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287398	13H1143-10	SB-350	2-4.03	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287398	13H1143-10	SB-350	2-4.03	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287408	13H1143-11	SB-329	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287408	13H1143-11	SB-329	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287408	13H1143-11	SB-329	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	

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Commission # 18HM301
SDG: 13H1103
Date Samples Collected 8/28/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

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SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287408	13H1143-11	SB-329	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287408	13H1143-11	SB-329	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287409	13H1143-12	SB-329	2-3	Acetone	Laboratory Control Sample	69.2%	Low	
1287409	13H1143-12	SB-329	2-3	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287409	13H1143-12	SB-329	2-3	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287409	13H1143-12	SB-329	2-3	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287409	13H1143-12	SB-329	2-3	Methylene Chloride	Laboratory Control Sample	44.6%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1143
Date Samples Collected 8/29/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287344	13H1143-01	Trip Blank	NA	Acetone	Laboratory Control Sample	69.2%	Low	
1287344	13H1143-01	Trip Blank	NA	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287344	13H1143-01	Trip Blank	NA	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287344	13H1143-01	Trip Blank	NA	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287344	13H1143-01	Trip Blank	NA	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287349	13H1143-02	Test Pit 1	13	Acetone	Laboratory Control Sample	69.2%	Low	
1287349	13H1143-02	Test Pit 1	13	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287349	13H1143-02	Test Pit 1	13	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287349	13H1143-02	Test Pit 1	13	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287349	13H1143-02	Test Pit 1	13	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287350	13H1143-03	Test Pit 2	13	Acetone	Laboratory Control Sample	69.2%	Low	
1287350	13H1143-03	Test Pit 2	13	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287350	13H1143-03	Test Pit 2	13	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287350	13H1143-03	Test Pit 2	13	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287350	13H1143-03	Test Pit 2	13	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287350	13H1143-03	Test Pit 2	13	All SVOCs	Elevated Reporting Limits		NA	Matrix Interference
1287410	13H1143-04	SB-331	0-2	ETPH	Matrix Spike / Matrix Spike Duplicate	-0.605% / 0.433%	Low	
1287410	13H1143-04	SB-331	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287410	13H1143-04	SB-331	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287410	13H1143-04	SB-331	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287410	13H1143-04	SB-331	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287410	13H1143-04	SB-331	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287411	13H1143-05	SB-331	2-4	Acetone	Laboratory Control Sample	69.2%	Low	
1287411	13H1143-05	SB-331	2-4	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287411	13H1143-05	SB-331	2-4	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287411	13H1143-05	SB-331	2-4	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287411	13H1143-05	SB-331	2-4	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287325	13H1143-06	SB-351	0-1.5	Acetone	Laboratory Control Sample	69.2%	Low	
1287325	13H1143-06	SB-351	0-1.5	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287325	13H1143-06	SB-351	0-1.5	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287325	13H1143-06	SB-351	0-1.5	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1143
Date Samples Collected 8/29/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287325	13H1143-06	SB-351	0-1.5	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287326	13H1143-07	SB-352	0-0.66		No QC Issues			
1287327	13H1143-08	SB-353	0-0.66		No QC Issues			
1287345	13H1143-09	SB-350	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287345	13H1143-09	SB-350	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287345	13H1143-09	SB-350	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287345	13H1143-09	SB-350	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287345	13H1143-09	SB-350	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287398	13H1143-10	SB-350	2-4.03	Acetone	Laboratory Control Sample	69.2%	Low	
1287398	13H1143-10	SB-350	2-4.03	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287398	13H1143-10	SB-350	2-4.03	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287398	13H1143-10	SB-350	2-4.03	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287398	13H1143-10	SB-350	2-4.03	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287408	13H1143-11	SB-329	0-2	Acetone	Laboratory Control Sample	69.2%	Low	
1287408	13H1143-11	SB-329	0-2	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287408	13H1143-11	SB-329	0-2	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287408	13H1143-11	SB-329	0-2	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287408	13H1143-11	SB-329	0-2	Methylene Chloride	Laboratory Control Sample	44.6%	Low	
1287409	13H1143-12	SB-329	2-3	Acetone	Laboratory Control Sample	69.2%	Low	
1287409	13H1143-12	SB-329	2-3	Bromomethane	Laboratory Control Sample	67.5%	Low	
1287409	13H1143-12	SB-329	2-3	Chloromethane	Laboratory Control Sample	67.8%	Low	
1287409	13H1143-12	SB-329	2-3	Dichlorodifluoromethane	Laboratory Control Sample	58.8%	Low	
1287409	13H1143-12	SB-329	2-3	Methylene Chloride	Laboratory Control Sample	44.6%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

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Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1191
Date Samples Collected 8/30/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287473	13H1191-01	Equipment Blank	NA	Acenaphthene	Laboratory Control Sample	20.6% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Acenaphthylene	Laboratory Control Sample	22.5% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Anthracene	Laboratory Control Sample	23.7% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Benzo(a)anthracene	Laboratory Control Sample	23.9% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Benzo(a)pyrene	Laboratory Control Sample	25.6% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Benzo(b)fluoranthene	Laboratory Control Sample	29.5% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Benzo(g,h,i)perylene	Laboratory Control Sample	41.7% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Bis(2-ethylhexyl)phthalate	Laboratory Control Sample	26% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	4-Bromophenylphenylether	Laboratory Control Sample	25.3% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Butylbenzylphthalate	Laboratory Control Sample	23.5% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Carbazole	Laboratory Control Sample	21.6% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	4-Chloroaniline	Laboratory Control Sample	28.3% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	4-Chloro-3-methylphenol	Laboratory Control Sample	22% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2-Chloronaphthalene	Laboratory Control Sample	30.8% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	4-Chlorophenylphenylether	Laboratory Control Sample	24.9% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Chrysene	Laboratory Control Sample	22.9% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Dibenz(a,h)anthracene	Laboratory Control Sample	40.5% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Dibenzofuran	Laboratory Control Sample	27.3% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	3,3'-Dichlorobenzidene	Laboratory Control Sample	30.8% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2,4-dichlorophenol	Laboratory Control Sample	20.6% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2,4-dinitrotoluene	Laboratory Control Sample	22.9% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2,6-dinitrotoluene	Laboratory Control Sample	21.2% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Fluoranthene	Laboratory Control Sample	20.4% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Flourene	Laboratory Control Sample	24.2% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2-Methylphenol	Laboratory Control Sample	20.5% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	3.4-methylphenol	Laboratory Control Sample	24.3% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2-Nitroaniline	Laboratory Control Sample	34.9% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	3-Nitroaniline	Laboratory Control Sample	36.2% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	4-Nitroaniline	Laboratory Control Sample	23.1% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	N-Nitrosodiphenylamine	Laboratory Control Sample	147%R, 28.0% RPD	High, Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Phenanthrene	Laboratory Control Sample	21.6% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Phenol	Laboratory Control Sample	22.3%	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	Pyrene	Laboratory Control Sample	26.7% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	1,2,4,5-Tetrachlorobenzene	Laboratory Control Sample	21.8% RPD	Non-directional	
1287473	13H1191-01	Equipment Blank	NA	2.4.5-Trichlorophenol	Laboratory Control Sample	31.0% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Acenaphthene	Laboratory Control Sample	20.6% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Acenaphthylene	Laboratory Control Sample	22.5% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Anthracene	Laboratory Control Sample	23.7% RPD	Non-directional	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

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Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1191
Date Samples Collected 8/30/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287469	13H1191-02	Equipment Blank	NA	Benzo(a)anthracene	Laboratory Control Sample	23.9% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Benzo(a)pyrene	Laboratory Control Sample	25.6% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Benzo(b)fluoranthene	Laboratory Control Sample	29.5% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Benzo(g,h,i)perylene	Laboratory Control Sample	41.7% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Bis(2-ethylhexyl)phthalate	Laboratory Control Sample	26% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	4-Bromophenylphenylether	Laboratory Control Sample	25.3% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Butylbenzylphthalate	Laboratory Control Sample	23.5% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Carbazole	Laboratory Control Sample	21.6% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	4-Chloroaniline	Laboratory Control Sample	28.3% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	4-Chloro-3-methylphenol	Laboratory Control Sample	22% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2-Chloronaphthalene	Laboratory Control Sample	30.8% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	4-Chlorophenylphenylether	Laboratory Control Sample	24.9% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Chrysene	Laboratory Control Sample	22.9% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Dibenz(a,h)anthracene	Laboratory Control Sample	40.5% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Dibenzofuran	Laboratory Control Sample	27.3% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	3,3'-Dichlorobenzidene	Laboratory Control Sample	30.8% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2,4-dichlorophenol	Laboratory Control Sample	20.6% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2,4-dinitrotoluene	Laboratory Control Sample	22.9% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2,6-dinitrotoluene	Laboratory Control Sample	21.2% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Fluoranthene	Laboratory Control Sample	20.4% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Flourene	Laboratory Control Sample	24.2% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2-Methylphenol	Laboratory Control Sample	20.5% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	3.4-methylphenol	Laboratory Control Sample	24.3% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2-Nitroaniline	Laboratory Control Sample	34.9% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	3-Nitroaniline	Laboratory Control Sample	36.2% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	4-Nitroaniline	Laboratory Control Sample	23.1% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	N-Nitrosodiphenylamine	Laboratory Control Sample	147%R, 28.0% RPD	High, Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Phenanthrene	Laboratory Control Sample	21.6% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Phenol	Laboratory Control Sample	22.3%	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	Pyrene	Laboratory Control Sample	26.7% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	1,2,4,5-Tetrachlorobenzene	Laboratory Control Sample	21.8% RPD	Non-directional	
1287469	13H1191-02	Equipment Blank	NA	2.4.5-Trichlorophenol	Laboratory Control Sample	31.0% RPD	Non-directional	
1287472	13H1191-03	Trip Blank	NA		No QC Issues			
1287471	13H1191-04	Equipment Blank	NA	Dichlorodifluoromethane	Laboratory Control Sample	154.0%	High	
1287471	13H1191-04	Equipment Blank	NA	1,2,3-Trichlorobenzene	Laboratory Control Sample	51.8%	Low	
1287471	13H1191-04	Equipment Blank	NA	1,2,4-Trichlorobenzene	Laboratory Control Sample	53.9%	Low	
1287471	13H1191-04	Equipment Blank	NA	1,2-Dibromo-3-chloropropane	Laboratory Control Sample	68.0%	Low	
1287471	13H1191-04	Equipment Blank	NA	Naphthalene	Laboratory Control Sample	56.0%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13H1191
Date Samples Collected 8/30/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287455	13H1191-05	SB-339	0-2	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287454	13H1191-06	SB-339	6-8	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287453	13H1191-07	SB-339	4-6	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287452	13H1191-08	SB-339	2-4	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287451	13H1191-09	SB-339	0-2	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287450	13H1191-10	SB-333	6-8	Benzo(a)anthracene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Benzo(a)pyrene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Benzo(b)fluoranthene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Chrysene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Fluoranthene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Phenanthrene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	Pyrene	Result exceeds calibration range		NA	Estimated
1287450	13H1191-10	SB-333	6-8	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287450	13H1191-10REI	SB-333	6-8	All SVOCs	Elevated Reporting Limits		NA	Matrix Interference
				4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287449	13H1191-11	SB-333	4-6	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287448	13H1191-12	SB-333	2-4	Benzo(a)anthracene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Benzo(a)pyrene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Benzo(b)fluoranthene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Chrysene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Fluoranthene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Phenanthrene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	Pyrene	Result exceeds calibration range		NA	Estimated
1287448	13H1191-12	SB-333	2-4	4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287448	13H1191-12REI	SB-333	2-4	All SVOCs	Elevated Reporting Limits		NA	Matrix Interference
				4-Chloroaniline	Laboratory Control Sample	37%	Low	
1287447	13H1191-13	SB-333	0-2	4-Chloroaniline	Laboratory Control Sample	37%	Low	

CT DEEP Reasonable Confidence Protocol - Data Quality Assessment Worksheet

Laboratory: Con-test® Analytical Laboratory
Project: Mystic Oral School - Phase III ESA
Commission # 18HM301
SDG: 13I0179
Date Samples Collected 8/27/2013
RCP Certification Form Included: Yes
Laboratory Case Narrative Included: Yes

Note 1: Initial and continuing calibration QC non-conformances have been evaluated but are not included in the following DQA spreadsheet.
Note 2: Bias High: reported result may be lower, RLs are accepted as reported.
Bias Low: reported result may be higher, RLs may be higher.

SAMPLE #	Lab #	Location ID	Depth (ft)	COMPOUND	QC PARAMETER	QC OUTLIER (%R / %D / RPD / RSD) Blank Contamination	BIAS	COMMENTS
1287320	1310179-01	SB-313	4-6	ETPH	Surrogate	Surrogate Diluted out	NA	
1287320	1310179-01	SB-313	4-6	All SVOCs	Elevated Reporting Limits	Due to matrix interference	NA	